



Ref. T2/6.04

GMDSS/Circ.8
2 February 1999

**MASTER PLAN OF SHORE-BASED FACILITIES FOR THE
GLOBAL MARITIME DISTRESS AND SAFETY SYSTEM
(GMDSS MASTER PLAN)**

Introduction

1 This circular^(*) supersedes GMDSS/Circ.7 and contains the latest information (February 1999) based on replies received from Member Governments in response to the most up-to-date questionnaires (MSC/Circ.468/Rev.2, COM/Circ.126 and MSC/Circ.641), which were revised by the sixty-fifth session of the Maritime Safety Committee (9 to 17 May 1995) and incorporated into the questionnaire (MSC/Circ.684) set out at annex 14.

2 Regulation 5, chapter IV of the amendments to the 1974 SOLAS Convention adopted in 1988 for the purpose of introducing the Global Maritime Distress and Safety System (GMDSS) therein, requires each Contracting Government to make available, as it deems practical and necessary, either individually or in co-operation with other Contracting Governments, appropriate shore-based facilities for space and terrestrial radiocommunication services having due regard to the recommendations of the Organization. These services are:

- .1 a radiocommunication service utilizing geostationary satellites in the Maritime Mobile-Satellite Service;
- .2 a radiocommunication service utilizing polar orbiting satellites in the Mobile-Satellite Service;
- .3 the Maritime Mobile Service in the bands between 156 MHz and 174 MHz;
- .4 the Maritime Mobile Service in the bands between 4,000 kHz and 27,500 kHz; and
- .5 the Maritime Mobile Service in the bands between 415 MHz and 535 kHz and between 1,605 kHz and 4,000 kHz.

Regulation 5 also provides that:

"Each Contracting Government undertakes to provide the Organization with pertinent information concerning the shore-based facilities in the Maritime Mobile Service, Mobile-Satellite Service and Maritime Mobile-Satellite Service, established for sea areas which it has designated off its coasts."

(*) For reasons of economy, to ease the IMO Printing Section's workload and facilitate its use, this circular, which is updated at frequent intervals, is issued in loose-leaf format.

3 This circular includes all corrections made to GMDSS/Circ.7 by Member Governments and information provided by ITU, WMO, Inmarsat, COSPAS-SARSAT, the NAVTEX Co-ordinating Panel and the International SafetyNET Co-ordinating Panel.

4 Governments are invited to check the information contained in this circular and inform the Secretariat of any desired amendments thereto so that they can be included in the next edition of the Master Plan.

5 Governments, who have not yet responded to the questionnaire, given in annex 14, are invited to do so as soon as possible.

6 Any amendments, responses to the questionnaire and relevant inquiries should be forwarded to:

International Maritime Organization
4 Albert Embankment
London SE1 7SR
United Kingdom

Tel: +44-171-735-7611
Fax: +44-171-587-3210

7 Member Governments, ITU, ICAO, WMO, IHO, Inmarsat and the COSPAS-SARSAT Partners are requested to bring this circular, and the information annexed hereto, to the attention of maritime, aviation, telecommunication, hydrographic and meteorological authorities, SAR authorities, Maritime Rescue Co-ordination Centres (MRCCs), Aeronautical Rescue Co-ordination Centres (ARCCs), Coast Earth Stations (CESSs), Coast Stations (CSs), COSPAS-SARSAT Mission Control Centres (MCCs), hydrographers, shipowners, training institutions and seafarers.

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DEFINITIONS AND ABBREVIATIONS USED IN THE GMDSS MASTER PLAN

DEFINITIONS

NAV/MET Area means **a geographical sea area, as shown in the appendix**, for the purpose of co-ordinating the transmission of radio navigational warnings(NAVAREA) and meteorological information(METAREA).

Monitor stations include **remote-controlled stations.**

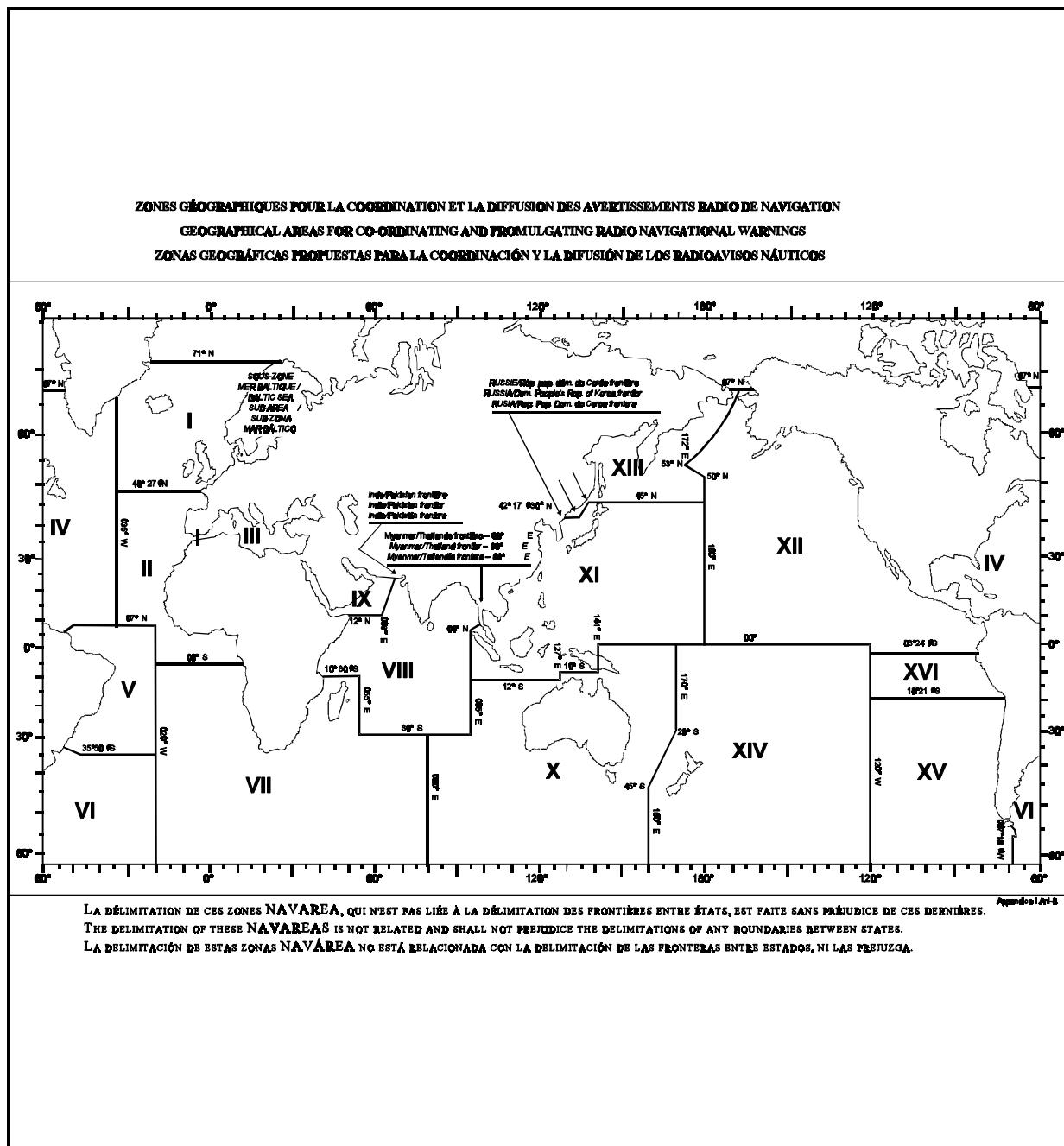
ABBREVIATIONS

AOR-E	-	Atlantic Ocean Region-East
AOR-W	-	Atlantic Ocean Region-West
ARCC	-	Aeronautical Rescue Co-ordination Centre
CES	-	Coast Earth Station
DSC	-	Digital Selective Calling
HF	-	High Frequency
IOR	-	Indian Ocean Region
LUT	-	COSPAS-SARSAT Local User Terminal
MCC	-	COSPAS-SARSAT Mission Control Centre
MF	-	Medium Frequency
MRCC	-	Maritime Rescue Co-ordination Centre
MRSC	-	Maritime Rescue Sub-Centre
NBDP	-	Narrow-band direct printing
NCS	-	Network Co-ordinating Station
N.I.	-	No Information
NM	-	Nautical Mile(s)
POR	-	Pacific Ocean Region
RCC	-	Rescue Co-ordination Centre
RX	-	Receiver
TBD	-	To be decided
TX	-	Transmitter
UTC	-	Co-ordinated Universal Time

Date of operation indicated by shaded appearance (i.e. Planned[1.2.1998]) means that the date has already passed but its operation has not been confirmed yet.

APPENDIX

GEOGRAPHICAL AREAS FOR CO-ORDINATING AND PROMULGATING RADIO-NAVIGATIONAL WARNINGS



O: Operational
 T: Under trial
 P: Planned or to be decided

ANNEX 1

STATUS OF SHORE-BASED FACILITIES FOR THE GMDSS

COUNTRY	COAST STATIONS							SES for RCC	MSI BROADCAST SERVICE					COSPAS-SARSAT		
	DSC ¹			INMARSAT CES ²					NAVTEX ³	SafetyNET ⁴			HF NBDP	MCC	LUT ⁵	
	A1	A2	A3&4	A	B	C	E		NAV	MET	SAR					
Algeria														O	O	
Angola	P	P	P													
Argentina	O	O	O						O	O	O	O	O	P	P	
Australia		O	O	O	O	O	O	O	O	O	O		O	O		
Bahrain									O							
Belgium	O	O							O & T							
Benin	P	P														
Bermuda (UK)	O	O						O	O							
Brazil	P			O		O			P	O	O	O		P	P	
Bulgaria	P	O							P	O						
Cameroon	P	P							P							
Canada	P	P	P		O				O					O	O	
Cape Verde	P	P	P						P			O				
Chile	O & P	O & P	O						O	O	O	O		O	O	
China	P	P	P	O	T	O		O	O	O				T	T	
Comoros	P	P														
Congo	P	P	P													
Côte D'ivoire	P	P	P													
Croatia	O							P	O							
Cuba																
Cyprus	O	O	O						O							
Democratic Republic of the Congo	P	P														
Denmark	O	O	O			O										
Djibouti	P	P														
Ecuador	O															

COUNTRY	COAST STATIONS							SES for RCC	MSI BROADCAST SERVICE					COSPAS-SARSAT		
	DSC ¹			INMARSAT CES ²					NAVTEX ³	SafetyNET ⁴			HF NBDP	MCC	LUT ⁵	
	A1	A2	A3&4	A	B	C	E		NAV	MET	SAR					
Egypt	P	P	P	O				O	O & P				P			
Equatorial Guinea	P															
Estonia	O & P	O	O													
Finland	O	O						P								
France	O	O		O	O	O			O	O	O		O	O		
Gambia	P															
Germany	O			O	O	O	O					P				
Ghana	O	P	P													
Greece	P	O & P	O & P	O	P	O		O	O		O	O	P	P	P	
Greenland (Denmark)		O														
Guam (US)	P	P														
Guinea	P	P														
Guinea Bissau	P	P														
Iceland	P	P	P						O							
India			P	O	O	O			O	T	O	P		O	O	
Indonesia	P	P	P		O				O			O	P	O	O	
Iran				O		O			P				O			
Ireland		O							P	P						
Israel									P	T						
Italy	P	P	P	O	O	O		P	P				O	O		
Japan	P	O	O	O	O	O		P	O	O	O	O	O	O	O	
Jordan	P	P	P													
Kenya	P	P														
Korea,Republic of	O & P	O & P	O & P	O		O			P				O	O		
Latvia	O	O						O								
Liberia	P	P	P													
Madagascar	P	P														

COUNTRY	COAST STATIONS							SES for RCC	MSI BROADCAST SERVICE					COSPAS-SARSAT		
	DSC ¹			INMARSAT CES ²					NAVTEX ³	SafetyNET ⁴			HF NBDP	MCC	LUT ⁵	
	A1	A2	A3&4	A	B	C	E		NAV	MET	SAR					
Malaysia					O				P			O				
Malta	P	P	P						O							
Mauritania	P	P							P							
Mauritius	P	P	P						P							
Mexico	P	O & P	P													
Morocco									P							
Mozambique	P	P	P													
Myanmar	P	P	P													
Namibia									P							
Netherlands	O	O		O	O	O		P	O			P				
New Zealand			P							O	O	O	O(6)	O		
Norway	O & P	O		O	O	O		O	O			O	O			
Oman	P	P	P						O							
Pakistan	P								T	O	P	P	O	O		
Peru	P	P	P						O & T	O		O	O	O	O	
Poland	O	O & P	P	O												
Portugal	P	P	P			O		P	O							
Romania	O	O														
Russian Federation	O&P	P		O					O & P	P	O		O	O		
Sao Tome and Principe	P															
Saudi Arabia	P	P	P	O					O							
Senegal	P	P	P													
Seychelles	P	P	P													
Sierra Leone	P	P	P													
Singapore	O	O		O	O	O		O	O	O	O		O	O		
Slovenia	O															
South Africa			O		O			O	O	O	O			P		
Spain	P	O	O					O & T	O			O	O	O		

COUNTRY	COAST STATIONS							SES for RCC	MSI BROADCAST SERVICE					COSPAS-SARSAT		
	DSC ¹			INMARSAT CES ²					NAVTEX ³	SafetyNET ⁴			HF NBDP	MCC	LUT ⁵	
	A1	A2	A3&4	A	B	C	E		NAV	MET	SAR					
Sudan	P	P	P													
Sweden	O	O						P	O							
Tanzania	P	P	P													
Thailand	P	P	P		P	P	P		O					P	P	
Togo	P															
Tonga												P				
Turkey	O	O & P	O	O		O		P	O							
Ukraine				O					O							
United Arab Emirates	P	P	P		O											
United Kingdom	O	O		O	O	O	O	O	O	O	O	O	O	O	O	
United States	P	O & P	O & P	O	O	O	T		O	O	O	O	O	O	O	
Uruguay	P	P	P						P							
Venezuela	P	P							P				P	P	P	
Vietnam	P	P	P						P							
<u>Associate Member of IMO</u>	O	O	O	O	O			O	O	O	O	O	O	O	O	
Hong Kong, China																

(1) See Figure 1-1 for approximate locations of operational and planned Sea Areas A1, A2 and the DSC HF coast stations.

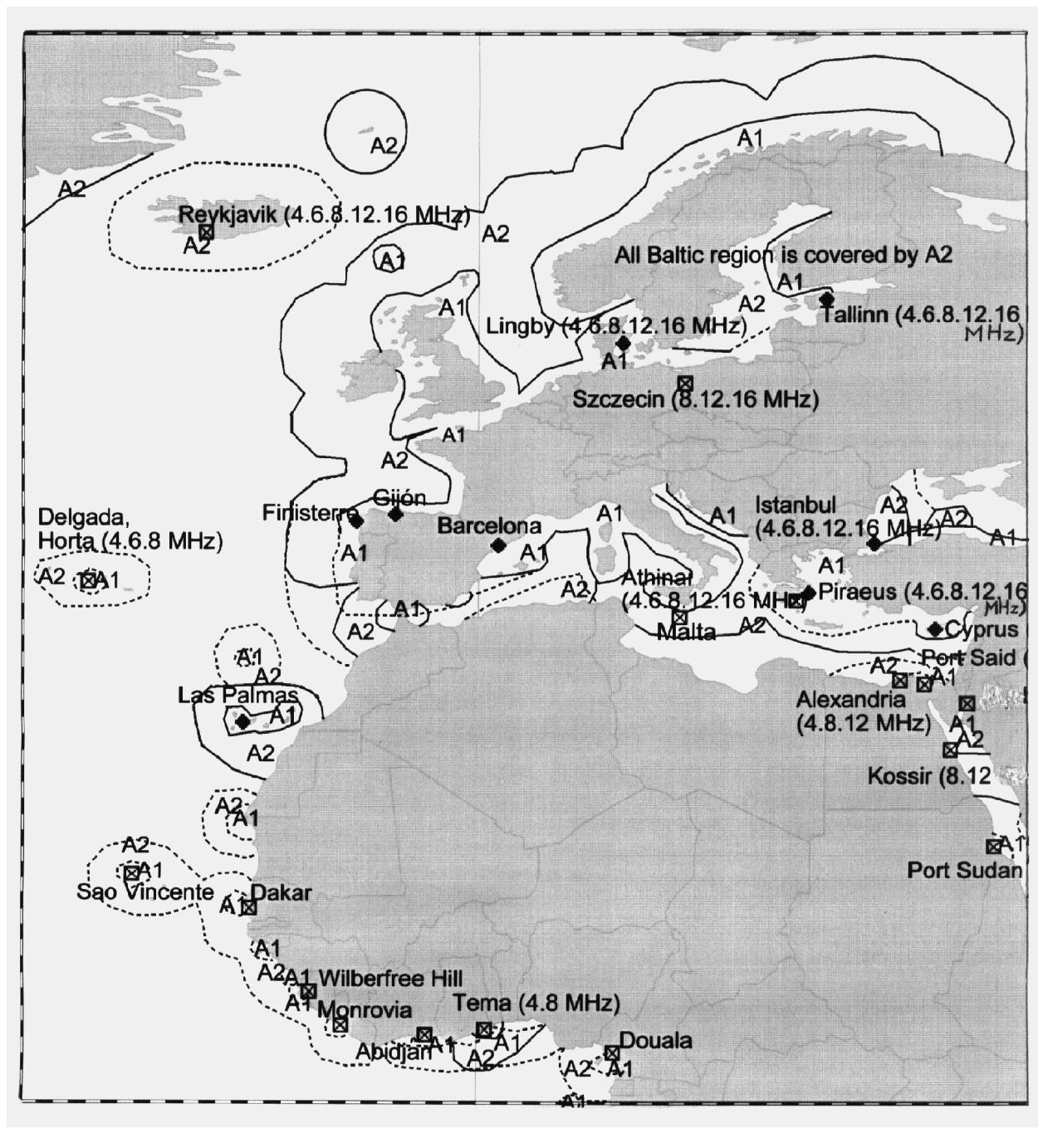
(2) See Figure 1-2 for locations of Inmarsat CESs.

(3) See Figure 1-3 for approximate locations of operational and planned NAVTEX stations.

(4) See Figure 1-4 for status of the International SafetyNET Services.

(5) See Figure 1-5 for satellite visibility area of existing LUTs.

(6) Operated by Australia.



Operational (trial) Sea Area (A1&A2)	— Operational (trial) HF DSC station
.... Planned Sea Area (A1&A2)	: Planned HF DSC station

Figure 1-1-1 Approximate locations of operational and planned Sea Areas A1, A2 and the HF DSC coast stations (Europe and Africa)

INDICATIVE ONLY AND NOT TO BE USED FOR NAVIGATIONAL PURPOSE

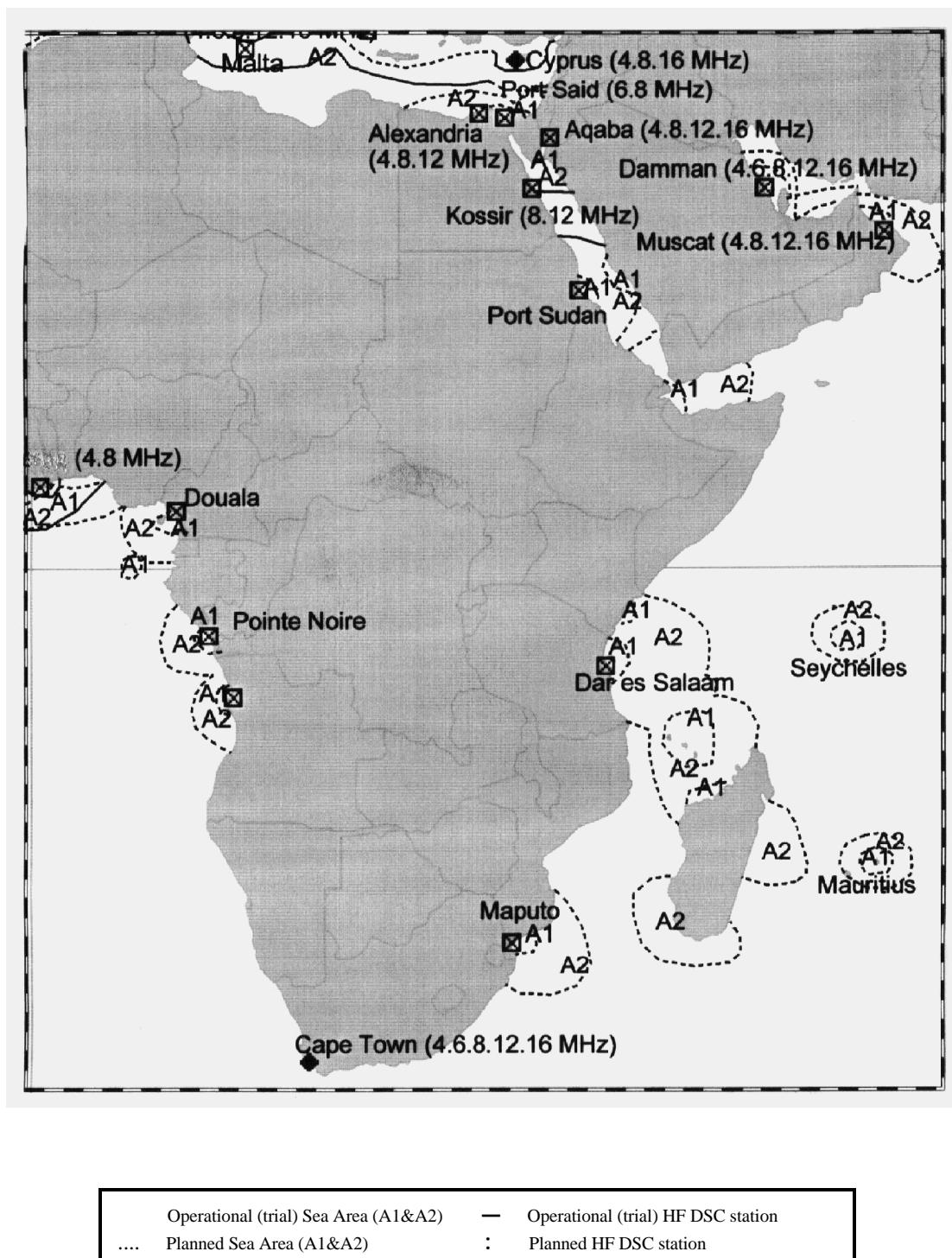


Figure 1-1-2 Approximate locations of operational and planned Sea Areas A1, A2 and the HF DSC coast stations (Africa and West Asia)

INDICATIVE ONLY AND NOT TO BE USED FOR NAVIGATIONAL PURP

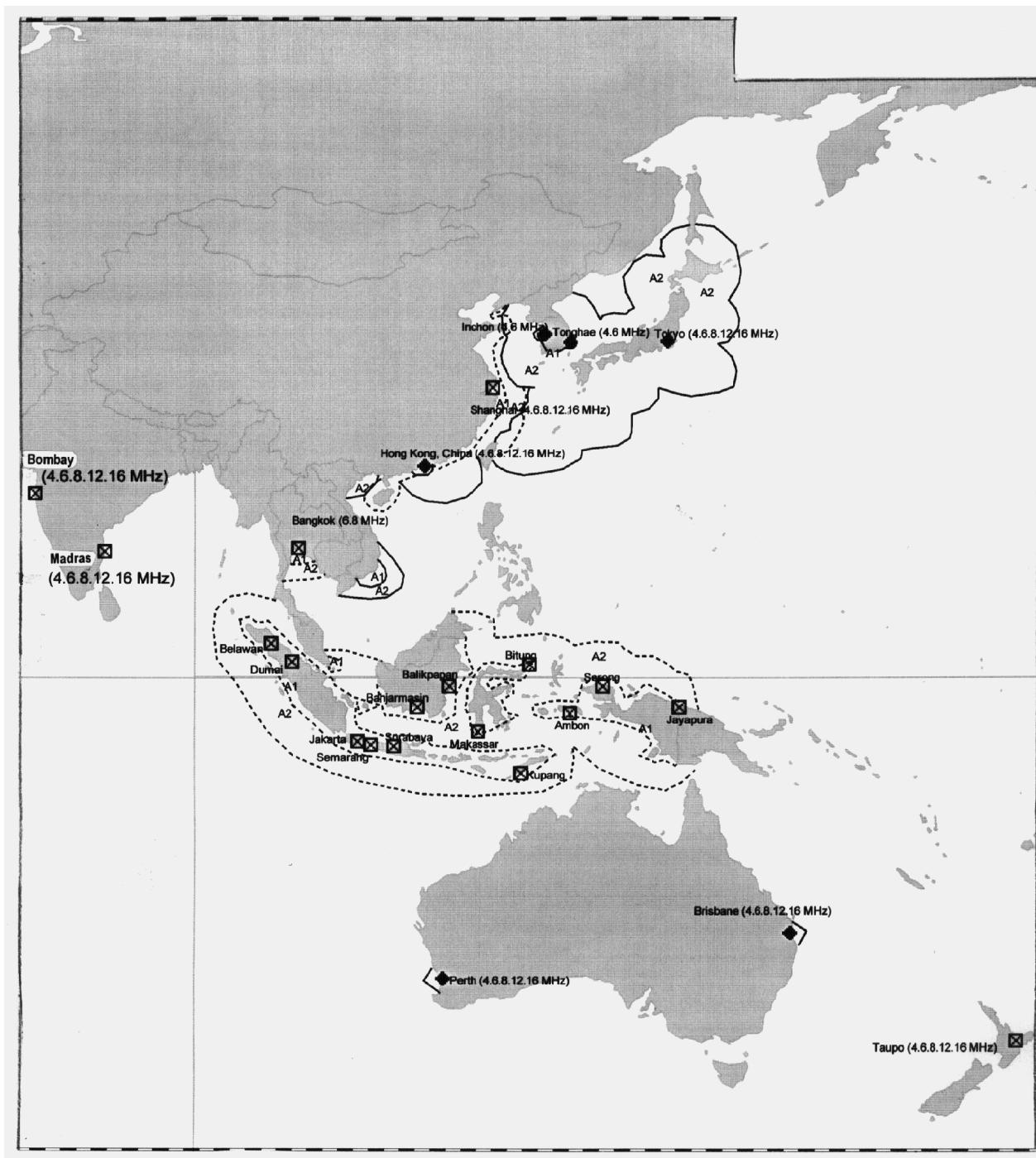


Figure 1-1-3 Approximate locations of operational and planned Sea Areas A1, A2 and the HF DSC coast stations (East Asia and Oceania)

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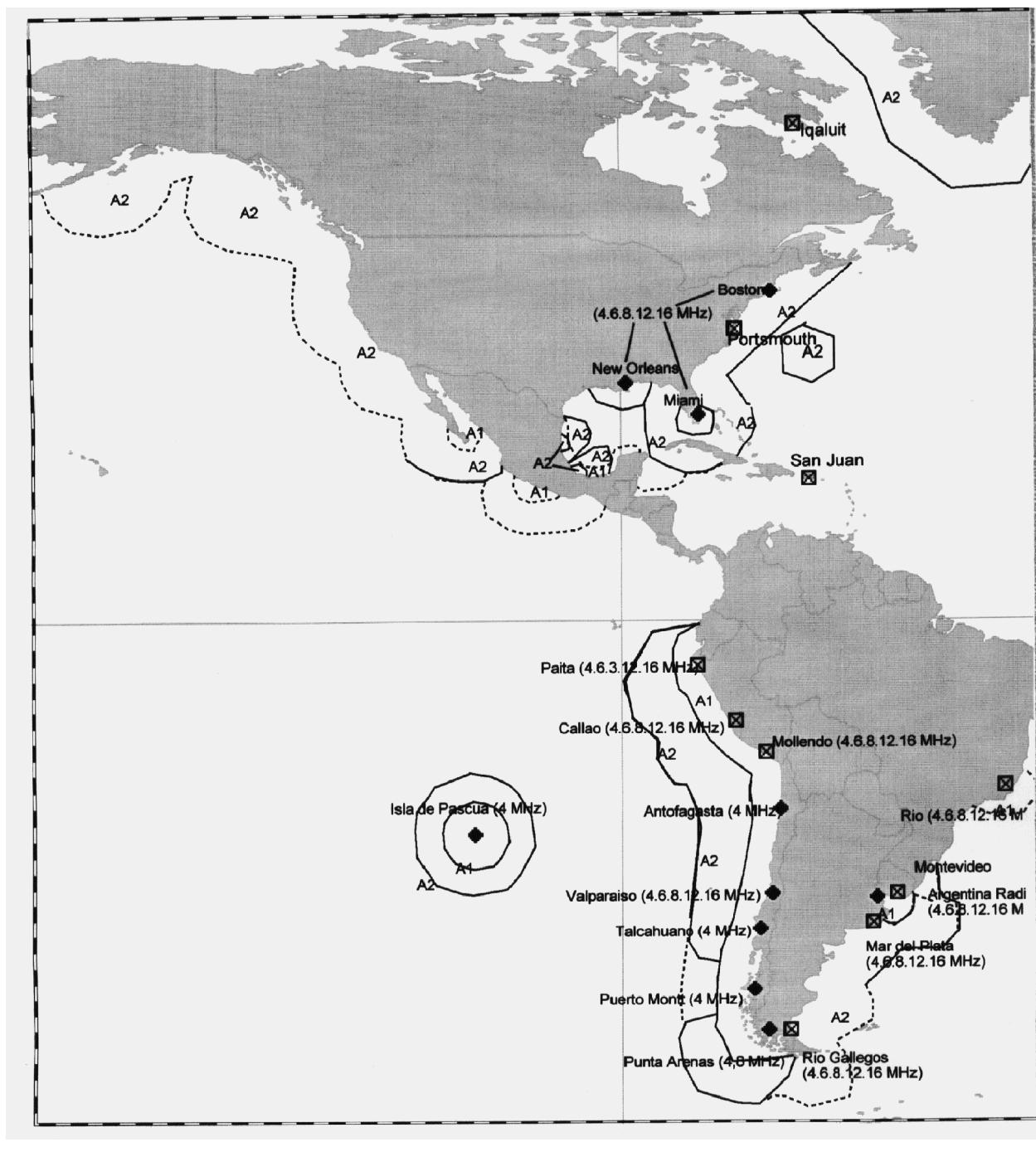


Figure 1-1-4 Approximate locations of operational and planned Sea Areas A1, A2 and the HF DSC coast stations (North and South America)

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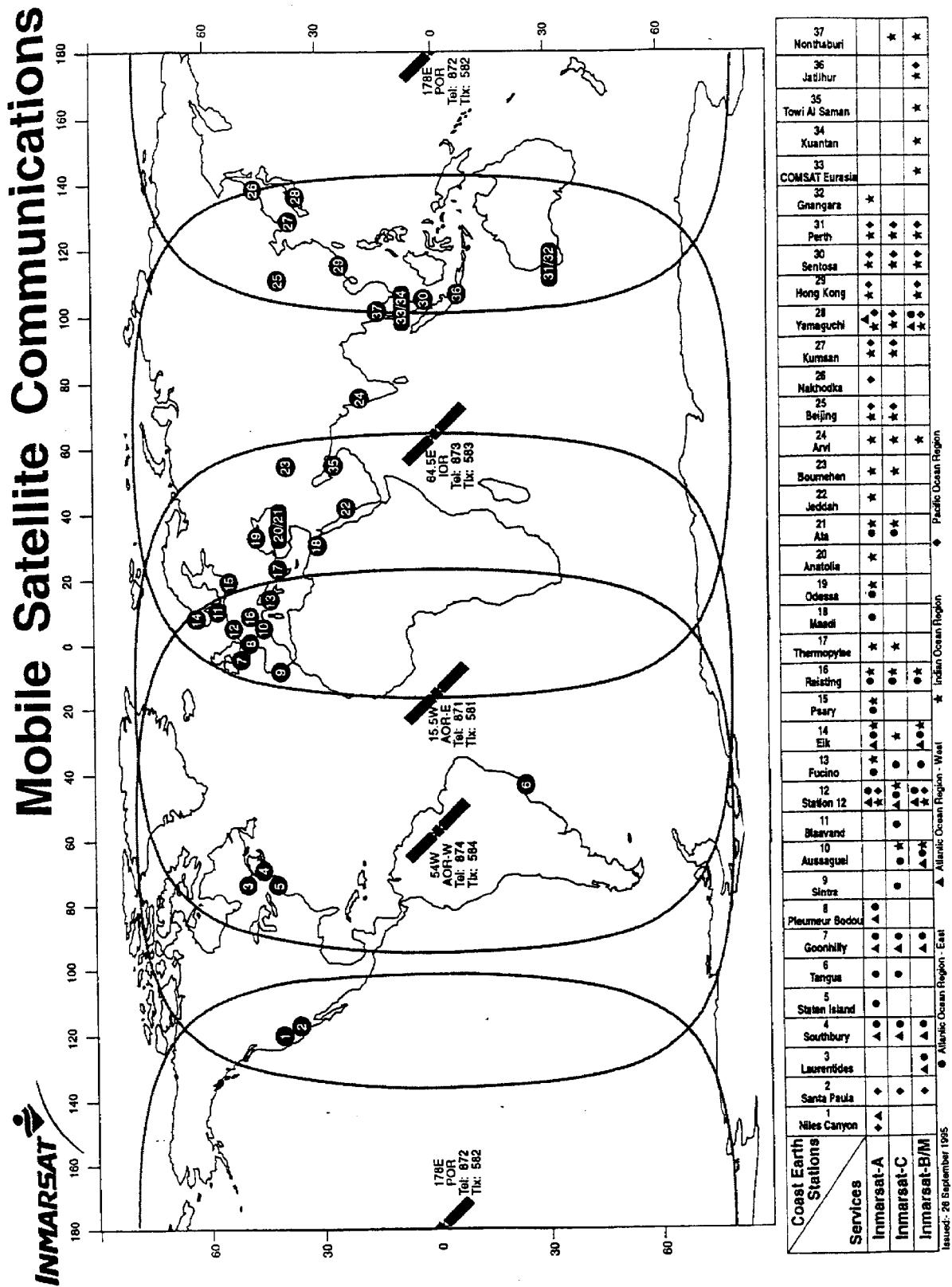


Figure 1-2-1

Locations of INMARSAT Coast Earth Stations (Courtesy INMARSAT)

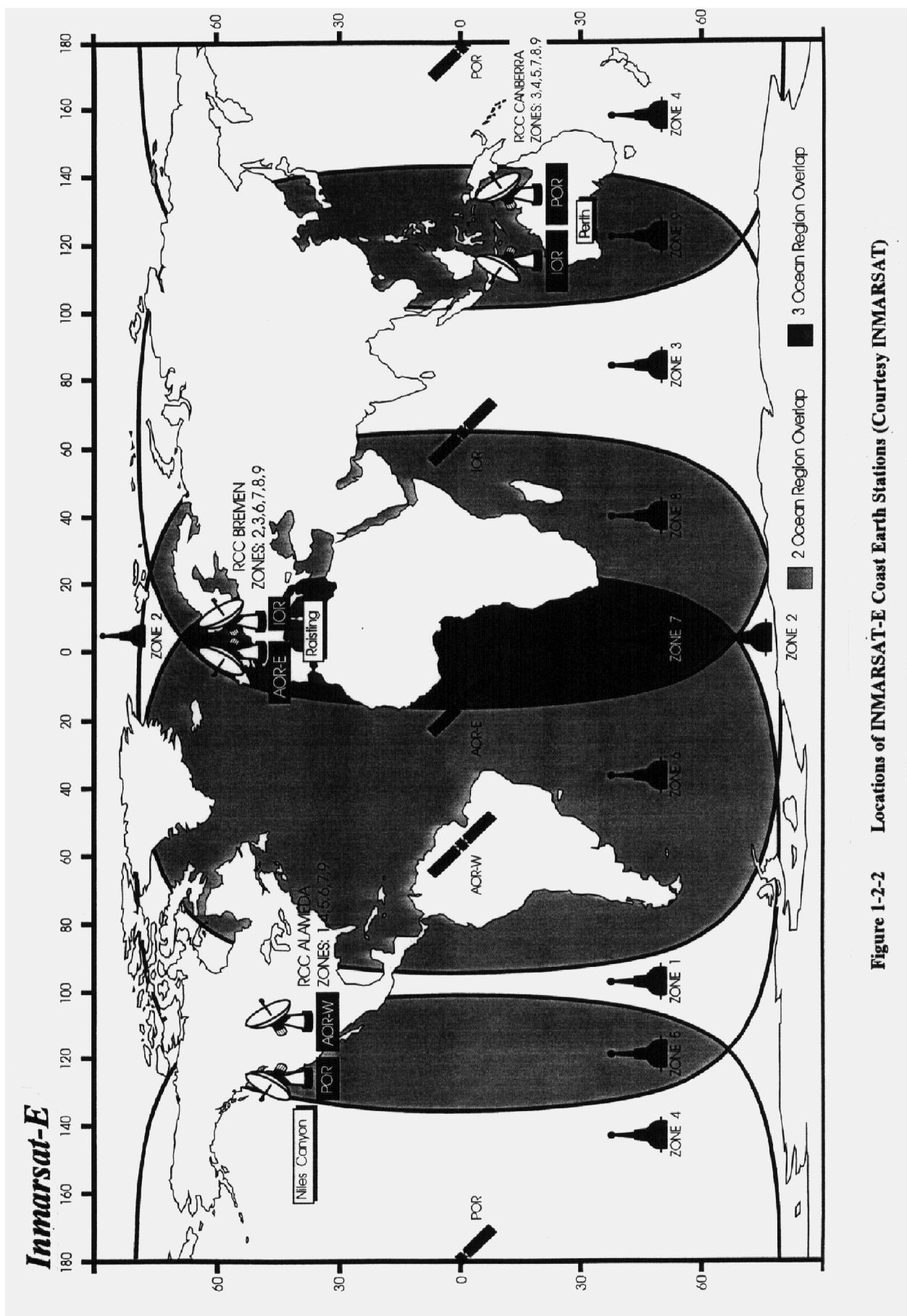


Figure 1-2-2 Locations of INMARSAT-E Coast Earth Stations (Courtesy INMARSAT)

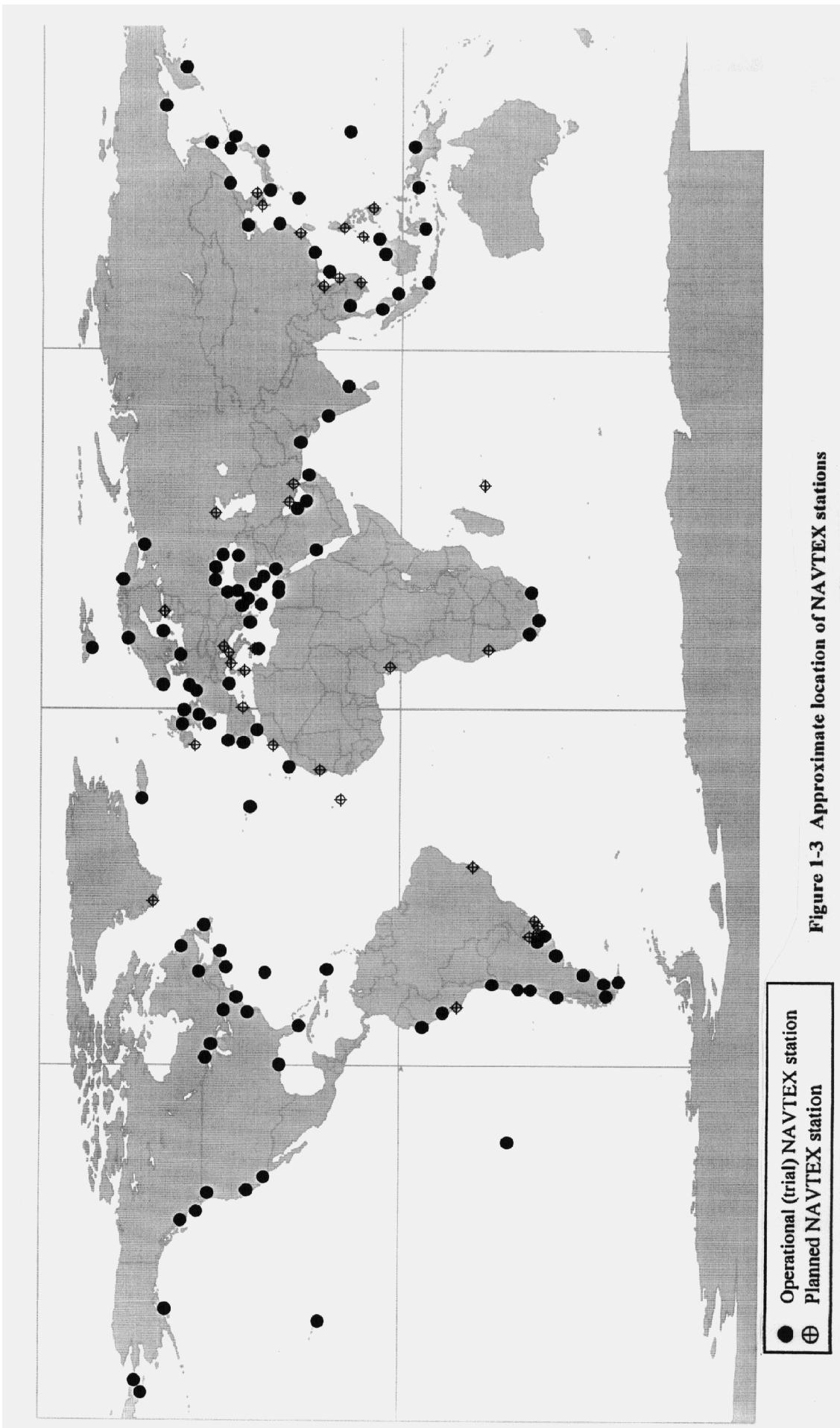


Figure 1-4 Status of the International SafetyNET Services

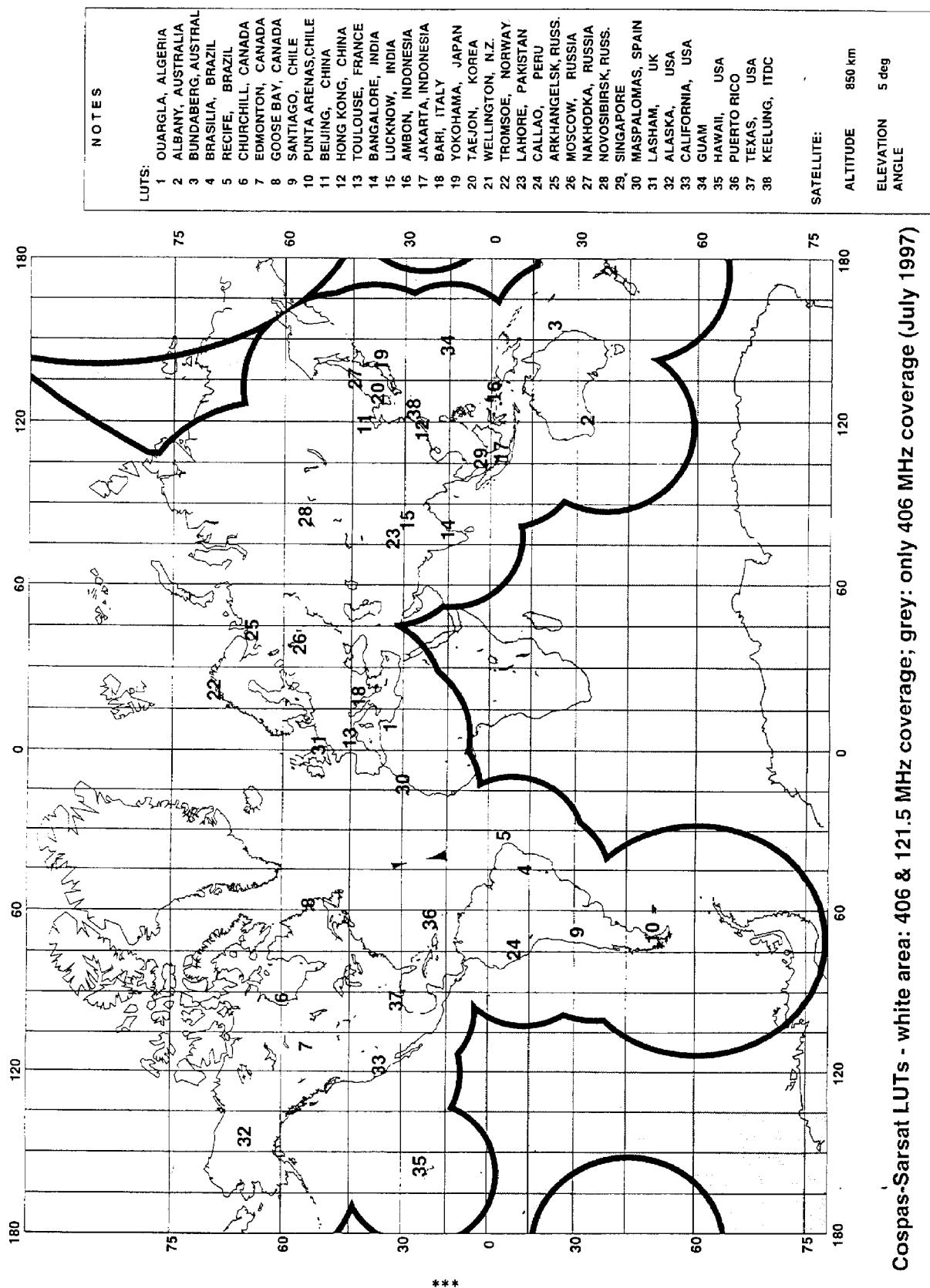
NAV/MET Area	NAVAREA Warnings	METAREA Information	SAR Alerts	Ocean region for scheduled broadcasts ⁽¹⁾
I	Z	Z	Z	AOR-E
II	Z	Z	Z	AOR-E
III	Z	Z	Z	AOR-E/IOR(MET)
IV	Z	Z	Z	AOR-W
V	Z	Z	Z	AOR-E
VI	Z	Z	Z	AOR-W
VII	Z	Z	Z	AOR-E + IOR
VIII	Z	Z ⁽²⁾	Z	IOR
IX	Z	Z	Z	IOR
X	Z	Z	Z	IOR + POR
XI	Z	Z	Z	IOR + POR
XII	Z	Z	Z	POR + AOR-W
XIII	Y	Y ⁽³⁾		POR
XIV	Z	Z	Z	POR
XV	Z	Z	Z	AOR-W
XVI	Z	Z	Z	AOR-W

Z = Full service available

Y = Interim Operation

-
- (1) IMO has decided that routine broadcasts of navigational warnings and meteorological forecasts will be made at scheduled times over a single nominated satellite for each NAVAREA/METAREA. Unscheduled broadcasts of SAR Alert Relays and severe weather warnings will be made over all satellites which serve the area concerned. See Inmarsat Maritime Communications Handbook (Issue 2) for further guidance.
- (2) India provides meteorological forecasts and warnings for METAREA VIII north of the equator through LES Arvi(IOR). Mauritius/La Reunion provide meteorological forecasts and warnings for METAREA VIII south of the equator through LES Burum(IOR).
- (3) South of 60 degrees North, full service provided by Japan.

Figure 1-5 Satellite Visibility Area of Cospas-Sarsat LUTs



Cospas-Sarsat LUTs - white area: 406 & 121.5 MHz coverage; grey: only 406 MHz coverage (July 1997)

PC = Public correspondence
 SD = Safety and Distress
 PS = Public correspondence & Safety and Distress
 "Monitor" stations include remote-controlled stations.

GMDSS/Circ.8

ANNEX 2

LIST OF VHF DSC COAST STATIONS FOR SEA AREAS A1

NAV/MET Area	Country	VHF DSC Coast Station							RCC Associated	
		Type	Name	MMSI	Position	Range (NM)	Status of implementaion [Date of Operation]	Purpose (PC/SD/PS)		
I	Belgium	Main	Antwerpen Radio	002050485	51 13N 04 23E	25	Operational	PS	24 hrs	Oostende
		Main	Oostende Radio	002050480	51 11N 02 48E	25				
	Denmark	Main	Lyngby Radio	002191000	-	-				SOK, Aarhus
		Monitor	Kobenhavn		55 41N 12 36E	29				
		Monitor	Vejby		56 04N 12 07E	30				
		Monitor	Roesnaes		55 44N 10 56E	35				
		Monitor	Anholt		56 42N 11 35E	28				
		Monitor	Fornaes		56 26N 10 56E	32				
		Monitor	Vejle		55 40N 09 30E	42				
		Monitor	Als		54 57N 09 33E	41				
		Monitor	Karleby		54 52N 11 11E	36				
		Monitor	Mern		55 03N 11 59E	45				
		Monitor	Aarsballe		55 08N 14 52E	42				
		Monitor	Laesoe		57 17N 11 03E	34				
		Monitor	Frejlev		57 00N 09 49E	44				
		Main	Blaavand Radio	002192000	55 33N 08 06E	33	Operational	PS	24 hrs	
		Monitor	Skagen		57 44N 10 34E	29				
		Monitor	Hirtshals		57 31N 09 57E	31				
		Monitor	Hanstholm		57 06N 08 39E	34				
		Monitor	Bovbjerg		56 31N 08 10E	34				
	Main	Torshavn Radio (Færöes)	002311000	-	-	Operational	PS	24 hrs	Torshavn	

NAV/MET Area	Country	VHF DSC Coast Station							RCC Associated				
		Type	Name	MMSI	Position	Range (NM)	Status of implementaion [Date of Operation]	Purpose (PC/SD/PS)					
		Monitor	Torshavn		62 01N 06 49W	56							
		Monitor	Fugloy		62 20N 06 19W	68							
		Monitor	Mykines		62 06N 07 35W	64							
		Monitor	Suderoy		61 25N 06 44W	57							
	Estonia	Main	Tallinn	002760100	59 24N 24 40E	30	Operational	N.I.	24hrs	MRCC Tallinn			
		Main	Ryhnu	002760110	57 48N 23 16E	N.I.	Planned[N.I.]						
		Main	Kädla	002760130	59 00N 22 45E	N.I.							
		Main	Kunda	002760150	59 31N 26 33E	N.I.							
	Finland	Main	Turku/Helsinki	002301234	-	-	Operational	SD	24 hrs	MRCC Turku			
		Monitor	Kemi		65 49N 24 32E	30.0				MRSC Vaasa			
		Monitor	Hailuoto		65 02N 24 36E	27.4							
		Monitor	Kalajoki		64 18N 24 11E	47.0							
		Monitor	Kokkola		63 50N 23 10E	34.0							
		Monitor	Raippaluoto		63 22N 21 19E	31.8							
		Monitor	Kristiinankaupunki		62 16N 21 24E	35.6							
		Monitor	Pori		61 36N 21 27E	15.9				MRCC Turku			
		Monitor	Rauma		61 08N 21 33E	28.2							
		Monitor	Uusikaupunki		60 48N 21 23E	31.8							
		Monitor	Geta		60 23N 19 51E	37.6							
		Monitor	Brandö		60 24N 21 03E	25.2							
		Monitor	Utö		59 47N 21 22E	22.7							
		Monitor	Järsö		60 01N 20 00E	35.6							

NAV/MET Area	Country	VHF DSC Coast Station							RCC Associated	
		Type	Name	MMSI	Position	Range (NM)	Status of implementaion [Date of Operation]	Purpose (PC/SD/PS)		
		Monitor	Korppoo		60 10N 21 33E	30.3			MRCC Helsinki	
		Monitor	Naantali		60 27N 22 03E	32.5				
		Monitor	Hanko		59 50N 22 56E	25.9				
		Monitor	Porkkala		59 59N 24 26E	30.0				
		Monitor	Santahamina/Helsinki		60 09N 25 02E	30				
		Monitor	Sondby		60 16N 25 51E	25.9				
		Monitor	Kotka		60 29N 26 53E	28.7				
		Monitor	Virolahti		60 36N 27 50E	32.5				
	France	Main	Gris Nez	002275100	50 52N 01 35E	23	Operational	SD	24 hrs	MRCC Gris Nez
		Monitor	Dunkerque		51 03N 02 21E	22				
		Monitor	Saint Frieux		50 40N 01 35E	38				
		Monitor	L'Ailly		49 55N 00 57E	28				
		Main	Jobourg	002275200	49 44N 01 54W	42				MRCC Jobourg
		Monitor	Antifer		49 41N 00 09E	33				
		Monitor	Ver-sur-Mer		49 20N 00 34W	27				
		Monitor	Gatteville		49 42N 01 16W	26				
		Monitor	Granville		48 52N 01 35W	26				
		Monitor	Roches Douvres		49 06N 02 49W	25				
		Main	Corsen	002275300	48 24N 04 47W	27				MRCC Corsen
		Monitor	Cap Frehel		48 41N 02 19W	28				
		Monitor	Batz		48 44N 04 01W	27				
		Monitor	Stiff Ouessant		48 28N 05 03W	33				

NAV/MET Area	Country	VHF DSC Coast Station							RCC Associated	
		Type	Name	MMSI	Position	Range (NM)	Status of implementaion [Date of Operation]	Purpose (PC/SD/PS)		
Germany		Monitor	Bodic		48 48N 03 05W	25	Operational	PS	24 hrs	MRCC Bremen
		Monitor	Pointe du Raz		48 02N 04 43W	24				
	Germany	Main	Rügen	002114500	54 21N 13 45E	27				
		Monitor	Arkona		54 34N 13 36E	31				
		Monitor	Fischland		54 24N 12 27E	30				
		Monitor	Rostock		54 10N 12 06E	33				
		Monitor	Kiel		54 18N 10 07E	37				
		Monitor	Lübeck		54 13N 10 43E	46				
		Monitor	Flensburg		54 44N 09 30E	29				
		Main	Bremen	002111240	53 05N 08 48E	25				
		Monitor	Norddeich		53 34N 07 06E	24				
		Monitor	Elbe-Weser		53 50N 08 39E	24				
		Monitor	Helgoland		54 11N 07 53E	33				
		Monitor	Nordfriesland		54 55N 08 18E	28				
		Monitor	Elderstedt		54 20N 08 47E	24				
		Monitor	Hamburg		53 33N 09 58E	44				
	Iceland	Main	Reykjavik Radio		64 05N 21 51W	N.I.	Planned[N.I.]	N.I.	N.I.	MRCC Coastal and MRCC Oceanic
		Main	Isafjordur Radio		66 05N 23 02W	N.I.				
		Main	Siglufjordur Radio		66 11N 18 57W	N.I.				
		Main	Neskaupstadur Radio		65 09N 13 42W	N.I.				
		Main	Hornafjordur Radio		64 15N 15 13W	N.I.				
		Main	Vestmannaeyjar Radio		63 24N 20 16W	N.I.				

NAV/MET Area	Country	VHF DSC Coast Station								RCC Associated			
		Type	Name	MMSI	Position	Range (NM)	Status of implementaion [Date of Operation]	Purpose (PC/SD/PS)	Watch hours on CH70				
	Latvia	Main	Riga Rescue Radio	002750100	56 58N 24 05E	20	Operational	SD	24 hrs	MRCC Riga			
	Netherlands	Main	Netherlands Coast Guard	002442000	52 28N 04 37E	18-32	Operational	SD	24 hrs	Coast Guard Centre IJmuiden			
		Monitor	Goes		51 30N 03 53E	18-32		PS					
		Monitor	Rotterdam		51 52N 04 26E	18-32							
		Monitor	Scheveningen		52 05N 04 15E	18-32							
		Monitor	Haarlem		52 23N 04 40E	18-32							
		Monitor	Lelystad		52 31N 05 26E	18-32							
		Monitor	Wieringerwerf		52 54N 05 03E	18-32							
		Monitor	West-Terschelling		53 21N 05 12E	18-32							
		Monitor	Nes		53 24N 06 04E	18-32							
		Monitor	Appingedam		53 20N 06 51E	18-32							
	Norway	Monitor	Continental-Shelf		53 34N 04 12E	18-32							
		Main	Tjome Radio	002570100	-	-	Operational	PS	24 hrs	MRCC Stavanger			
		Monitor	Halden		59 11N 11 26E	53							
		Monitor	Oslo		59 59N 10 40E	62							
		Monitor	Drammen		59 40N 10 26E	24							
		Monitor	Tjome		59 05N 10 25E	28	Planned[1995]						
		Monitor	Porsgrunn		59 14N 09 42E	66	Operational						
		Monitor	Risor		58 43N 09 12E	35							
		Main	Farsund Radio	002570200	-	-	Operational	PS	24 hrs	MRCC Stavanger			
		Monitor	Arendal		58 17N 08 28E	36							
		Monitor	Kristiansand		58 04N 07 59E	36							

NAV/MET Area	Country	VHF DSC Coast Station							RCC Associated				
		Type	Name	MMSI	Position	Range (NM)	Status of implementaion [Date of Operation]	Purpose (PC/SD/PS)					
		Monitor	Lindesnes	002570300	58 01N 07 04E	40		PS	24 hrs	MRCC Stavanger			
		Monitor	Farsund		58 04N 06 45E	29							
		Monitor	Storefjell		58 09N 06 43E	52							
		Main	Rogaland Radio		-	-	Operational						
		Monitor	Bjerkreim		58 38N 05 58E	66	PS	24 hrs					
		Monitor	Stavanger		58 56N 05 43E	40							
		Monitor	Bokn		59 13N 05 26E	50							
		Monitor	Haugesund		59 25N 05 20E	47							
		Main	Bergen Radio	002570400	-	-	Operational	PS	24 hrs	MRCC Stavanger			
		Monitor	Stord		59 52N 05 30E	74							
		Monitor	Sotra		60 19N 05 07E	53							
		Monitor	Bergen		60 25N 05 22E	65							
		Monitor	Knarvik		60 35N 05 20E	59							
		Monitor	Hardangerfjord		60 24N 06 40E	69	Planned[1995]						
		Monitor	Oseberg		60 30N 02 50E	30							
		Main	Florø Radio	002570500	-	-	Operational	PS	24 hrs	MRCC Stavanger			
		Monitor	Gulen		61 02N 05 10E	73							
		Monitor	Sogndal		61 14N 07 06E	16							
		Monitor	Gudvangen		60 53N 06 50E	15	Planned[1995]						
		Monitor	Aurland		60 54N 07 12E	23							
		Main	Kinn		61 34N 04 47E	52	Operational						
		Monitor	Bremanger		61 52N 05 00E	74							

NAV/MET Area	Country	VHF DSC Coast Station							RCC Associated
		Type	Name	MMSI	Position	Range (NM)	Status of implementaion [Date of Operation]	Purpose (PC/SD/PS)	
		Monitor	Raudberg	002570600	62 00N 09 10E	38	Operational	PS	24 hrs
		Monitor	Sagtennene		61 54N 06 07E	85			
		Monitor	Gullfaks		61 11N 02 11E	30			
		Main	Ørlandet Radio		-	-			
		Monitor	Nerlandshorn		62 21N 05 33E	59			
		Monitor	Hjorunganes		62 21N 06 07E	19			
		Monitor	Aksla		62 29N 06 12E	41			
		Monitor	Gamlemsveten		62 35N 06 19E	80			
		Monitor	Molde		62 45N 07 08E	59			
		Monitor	Reinsfjell		62 56N 07 56E	84			
		Monitor	Kristiansund		63 07N 07 42E	34			
		Monitor	Littlefonni		63 34N 08 43E	56			
		Monitor	Trondheimsfjord		63 32N 10 54E	66			
		Monitor	Skavelen		63 46N 10 58E	55			
		Monitor	Kopparen		63 48N 09 45E	64			
		Monitor	Yttervag		64 18N 10 18E	34			
		Monitor	Namsaas		64 27N 11 32E	58			
		Monitor	Rorvik		64 53N 11 14E	43			
		Main	Bodø Radio	002570700	-	-	Operational	PS	24 hrs
		Monitor	Vega		65 38N 11 54E	75			
		Monitor	Horva		66 01N 12 49E	57			
		Monitor	Mo		66 13N 13 45E	71			

NAV/MET Area	Country	VHF DSC Coast Station							RCC Associated		
		Type	Name	MMSI	Position	Range (NM)	Status of implementaion [Date of Operation]	Purpose (PC/SD/PS)			
		Monitor	Traenfjord		66 32N 12 49E	62	Planned[1995]				
		Monitor	Meloy		66 49N 13 26E	55					
		Monitor	Rønvikfjell		67 18N 14 27E	41	Operational				
		Monitor	Fornesfjell		67 26N 15 27E	68					
		Monitor	Værøy		67 40N 12 38E	59					
		Monitor	Steigen		67 50N 15 00E	77					
		Monitor	Fredvang		68 06N 13 11E	21	Planned[1995]				
		Monitor	Hagskaret		68 10N 13 42E	36					
		Monitor	Kvalnes		68 21N 13 57E	40	Operational				
		Monitor	Svolvaer		68 24N 15 07E	18					
		Monitor	Hadsel		68 33N 14 53E	61	Planned[1995]				
		Monitor	Vesteraalen		68 55N 15 04E	23					
		Monitor	Stamnes		68 49N 15 29E	13					
		Monitor	Andenes		69 17N 16 01E	54					
		Monitor	Lodingen		68 24N 15 58E	13					
		Monitor	Harstad		68 48N 16 31E	36	Operational				
		Monitor	Narvik		68 28N 17 10E	48					
		Monitor	Kistefjell		69 18N 18 08E	85	Planned[1995]				
		Monitor	Tromso		69 39N 18 57E	36					
		Monitor	Tonsnes		69 43N 19 08E	47	Operational				
		Monitor	Hillesoy		69 39N 18 00E	41					
		Main	Vardø Radio	002570800	-	-					
							PS	24 hrs	MRCC Bodø		

NAV/MET Area	Country	VHF DSC Coast Station							RCC Associated		
		Type	Name	MMSI	Position	Range (NM)	Status of implementaion [Date of Operation]	Purpose (PC/SD/PS)			
		Monitor	Torsvaag		70 15N 19 30E	23	Planned[1995]				
		Monitor	Trolltind		70 04N 20 26E	78	Operational				
		Monitor	Skjervoy		70 01N 20 59E	37					
		Monitor	Helligfjell		70 07N 22 56E	63					
		Monitor	Fuglen		70 39N 21 58E	55	Planned[1995]				
		Monitor	Tyven		70 38N 23 42E	57					
		Monitor	Havøysund		71 00N 2436E	49					
		Monitor	Honningsvaag		70 59N 25 54E	56	Operational				
		Monitor	Oksen		70 58N 27 21E	51	Planned[1995]				
		Monitor	Mehamn		71 03N 28 07E	49					
		Monitor	Berlevaag		70 52N 29 05E	40					
		Monitor	Tana		70 28N 28 13E	65					
		Monitor	Baatsfjord		70 39N 29 42E	49					
		Monitor	Vardo		70 20N 31 02E	40	Operational	PS	24 hrs		
		Monitor	Varangefjord		70 05N 29 49E	41					
		Monitor	Kirkenes		69 45N 30 08E	44	Planned[1995]				
	Poland	Main	Szczecin /remote controlled	002610110	53 28N 14 35E	-	Operational	PS	24 hrs		
		Monitor	Swinoujscie		53 55N 14 15E	20					
		Monitor	Grzywacz		53 57N 14 30E	35					
		Monitor	Kolowo		53 20N 14 40E	40					
		Main	Witowo/remote controlled	002610210	54 33N 16 32E	-					
		Monitor	Kolorzeg		53 10N 15 33E	25					

NAV/MET Area	Country	VHF DSC Coast Station							RCC Associated	
		Type	Name	MMSI	Position	Range (NM)	Status of implementaion [Date of Operation]	Purpose (PC/SD/PS)		
		Monitor	Barzowice	002610310	54 29N 16 30E	30				
		Monitor	Rowakol		54 39N 17 13E	35				
		Main	Gdynia/remote controlled		54 32N 18 32E	-				
		Monitor	Rozewie		54 50N 1820E	25				
		Monitor	Oksywie		54 32N 18 32E	30				
		Monitor	Krynica Morska		54 23N 19 27E	20				
	Russian Federation	Main	Saint- Petersburg	002733700	59 53N 30 13E	27	Operational	SD	24 hrs	MRCC St. Petersburg
		Main	Vyborg	002734415	60 42N 28 43E	17.5	Operational	PS		MRSC Arkhangelsk
		Main	Arkhangelsk	002734414	64 32N 40 32E	25.6	Planned [2. 1999]	SD		MRCC Murmansk
		Main	Murmansk		68 58N 33 01E	12		PS		MRCC Kaliningrad
		Main	Kaliningrad		84 58N 19 59E	26				
	Sweden	Main	MRCC Göteborg	002653000	-	-	Operational	N.I.	24 hrs	N.I.
		Main	MRSC Stockholm	002652000	-	-				MRSC Stockholm
		Monitor	Umeå	N.I.	63 50N 19 50E	59				N.I.
		Monitor	Väddö		59 58N 18 51E	37				
		Monitor	Svenska Högarna		59 27N 1930E	21				
		Monitor	Stockholm		59 18N 18 11E	50				
		N.I.	Skellefteå		64 46N 20 57E	48				
			Seskarö		65 44N 23 44E	24				
			Luieå		65 32N 21 55E	36				
			Mjällom		62 59N 18 23E	50				
			Hämösand		62 36N 17 55E	43				

NAV/MET Area	Country	VHF DSC Coast Station							RCC Associated
		Type	Name	MMSI	Position	Range (NM)	Status of implementaion [Date of Operation]	Purpose (PC/SD/PS)	
			Hudiksvall		61 42N 16 52E	60			
			Gävle		60 38N 17 08E	44			
			Öregund		60 30N 18 24E	30			
			Västerås		59 38N 16 24E	45			
			Söderälje		59 13N 17 37E	35			
			Torö		58 49N 17 51E	31			
			Norrköping		58 40N 16 28E	48			
			Gotska Sandön		58 22N 19 15E	28			
			Fårö		57 52N 19 00E	30			
			Västby		57 35N 18 22E	44			
			Hoburgen		56 56N 18 13E	32			
			Västervik		57 43N 16 26E	50			
			Borgholm		56 51N 16 42E	31			
			Ölands södra		56 14N 16 27E	28			
			Karlskrona		56 02N 14 46E	34			
			Kivik		55 40N 14 09E	44			
			Trelleborg		55 28N 13 16E	36			
			Helsingborg		56 03N 12 42E	32			
			Falkenberg		56 50N 12 41E	39			
			Göteborg		57 41N 12 03E	46			
			Hunnebostrand		56 25N 11 25E	34			
			Strömstad		58 55N 11 10E	30			

NAV/MET Area	Country	VHF DSC Coast Station							RCC Associated
		Type	Name	MMSI	Position	Range (NM)	Status of implementaion [Date of Operation]	Purpose (PC/SD/PS)	
			Vänersborg		58 19N 12 16E	27			
			Kinnekulle		58 36N 13 24E	48			
			Karlsborg (Vättern)		58 40N 14 34E	38			
	United Kingdom	Main	Falmouth	002320014	50 08N 05 07W	20	Operational	SD	24 hrs
		Monitor	Lizard		49 49N 05 12W	22			
		Monitor	Scillies		45 56N 06 18W	21			
		Monitor	Lands End		50 08N 05 39W	39			
		Monitor	St Ives		50 13N 05 14W	14			
		Monitor	Trevose Head		50 33N 05 03W	24			
		Monitor	Bude		50 49N 04 33W	16			
		Main	Brixham	002320013	Control site only	-	Operational	SD	24 hrs
		Monitor	Rame Head		50 19N 04 13W	25			
		Monitor	East Prawle		50 13N 03 42W	30			
		Monitor	Dartmouth		50 12N 03 21W	27			
		Monitor	Berry Head		50 24N 03 29W	22			
		Main	Portland	002320012	Control site only	-	Operational	SD	24hrs
		Monitor	Grove		50 33N 02 25W	28			
		Monitor	Bincleaves		50 36N 02 27W	10			
		Monitor	Hengistbury Head		50 43N 01 46W	16			
		Monitor	Allhallows		50 43N 03 00W	31			
		Main	Solent	002320011	Control site only	-	Operational	SD	24hrs
		Monitor	Boniface Down - Tx site		50 36N 01 12W	40			

NAV/MET Area	Country	VHF DSC Coast Station							RCC Associated	
		Type	Name	MMSI	Position	Range (NM)	Status of implementaion [Date of Operation]	Purpose (PC/SD/PS)		
		Monitor	Stenbury Down - Rx site		50 37N 01 14W	40				
		Monitor	Selsey Bill		50 44N 01 48W	12				
		Monitor	Newhaven		50 47N 00 03W	22				
		Main	Dover- Rx site	002320010	51 08N 01 21E	29	Operational	SD	24hrs	
		Monitor	West Hougham - Dover Tx site		51 07N 01 15E	34				
		Monitor	Fairlight		50 52N 00 40E	29				
		Monitor	Northforeland		51 22N 01 25E	20				
		Main	Thames	002320009	51 52N 01 16E	13	Operational	SD	24hrs	
		Monitor	Shoeburierness		51 31N 00 46E	12				
		Monitor	Bradwell		51 44N 00 53E	11				
		Monitor	Bawdsey		51 52N 01 25E	22				
		Main	Yarmouth	002320008	52 36N 01 42E	11	Operational	SD	24hrs	
		Monitor	Lowestoft		52 29N 01 46E	11				
		Monitor	Trimingham		52 55N 01 20E	24				
		Monitor	Langham		52 57N 00 57E	21				
		Monitor	Hunstanton		52 57N 00 30E	18				
		Main	Humber	002320007	Control site only	-	Operational	SD	24hrs	
		Monitor	Easington		55 39N 00 06E	16				
		Monitor	Flamborough		54 08N 00 06W	22				
		Monitor	Whitby		54 29N 00 36W	13				
		Monitor	Trusthorpe		52 20N 00 17E	19				
		Main	Tyne Tees	002320006	55 01N 01 25W	18	Operational	SD	24hrs	MRSC Tyne Tees

NAV/MET Area	Country	VHF DSC Coast Station							RCC Associated	
		Type	Name	MMSI	Position	Range (NM)	Status of implementaion [Date of Operation]	Purpose (PC/SD/PS)		
		Monitor	Hartlepool	002320005	54 42N 01 10W	14	Operational	SD	24hrs	MRSC Forth
		Monitor	Newton		55 31N 01 37W	19				
		Main	Forth		56 17N 02 35W	16				
		Monitor	St Abbs		55 54N 02 12W	38				
		Monitor	Craigkelly		56 04N 03 19W	40				
		Main	Aberdeen	002320004	Control site only	-	Operational	SD	24hrs	MRCC Aberdeen
		Monitor	Gregness		57 08N 02 03W	20				
		Monitor	Inverbervie		56 51N 02 16W	32				
		Monitor	Peterhead		57 31N 01 46W	14				
		Monitor	Windy Head		57 39N 02 14W	40				
		Monitor	Banff		57 38N 02 31W	30				
		Monitor	Thrumster		58 24N 03 07W	35				
		Monitor	Rosemarkie		57 38N 04 05W	39				
		Monitor	Foyers		57 14N 04 31W	39				
		Main	Pentland	002320002	Control site only	-	Operational	SD	24hrs	MRSC Pentland
		Monitor	Noss Head		58 29N 03 03W	17				
		Monitor	Dunnet Head		58 40N 03 22W	25				
		Monitor	Ben Tongue		58 30N 04 24W	45				
		Monitor	Durness		58 34N 04 44W	21				
		Monitor	Wideford Hill		58 59N 03 01W	39				
		Main	Shetland	002320001	60 01N 01 08W	21	Operational	SD	24hrs	MRSC Shetland
		Monitor	Compass Head		59 52N 01 16W	27				

NAV/MET Area	Country	VHF DSC Coast Station							RCC Associated
		Type	Name	MMSI	Position	Range (NM)	Status of implementaion [Date of Operation]	Purpose (PC/SD/PS)	
		Monitor	Fitfull Head	002320024	59 54N 01 23W	42			
		Monitor	Collafirth		60 32N 01 23W	41			
		Monitor	Saxa Vord		60 42N 00 50W	38			
		Main	Stornoway		Control site only	-		Operational	SD
		Monitor	Butt of Lewis		58 31N 06 16W	13			
		Monitor	Forsnaval		58 13N 07 00W	38			
		Monitor	Sanwick		58 13N 06 21W	19			
		Monitor	Rodel		57 45N 06 57W	24			
		Monitor	Cleattraval		55 37N 07 26W	31			
		Monitor	Scoval		57 28N 06 42W	40			
		Monitor	Barra		57 01N 07 30W	25			
		Monitor	Melvaig		57 51N 05 47W	43			
		Main	Oban	002320023	56 25N 05 28W	11	Operational	SD	24hrs
		Monitor	Skraig		57 23N 06 14W	15			
		Monitor	Arisaig		56 55N 05 50W	30			
		Monitor	Glengorm		56 38N 06 08W	42			
		Monitor	Tiree		56 30N 06 57W	28			
		Monitor	Torosay		56 27N 05 44W	54			
		Main	Clyde		Control site only	15			
		Monitor	Law Hill	002320022	55 42N 04 50W	36	Operational	SD	24hrs
		Monitor	Rhu Stafnish		55 22N 05 32W	39			
		Monitor	Kilchiaran		55 46N 06 27W	32			

NAV/MET Area	Country	VHF DSC Coast Station							RCC Associated
		Type	Name	MMSI	Position	Range (NM)	Status of implementaion [Date of Operation]	Purpose (PC/SD/PS)	
		Monitor	South Knapdale	002320021	55 55N 05 28W	57			
		Main	Belfast		Control site only	-	Operational	SD	24hrs
		Monitor	Orlock Head		54 40N 05 35W	17			
		Monitor	Slieve Martin		54 06N 06 10W	56			
		Monitor	Black Mountain		54 35N 06 01W	48			
		Monitor	West Torr		55 12N 06 05W	36			
		Monitor	Portrush		55 13N 06 40W	11			
		Main	Liverpool	002320019	53 30N 03 03W	12	Operational	SD	24hrs
		Monitor	Heswall		53 20N 03 06W	8			
		Monitor	Blackpool Tower		53 49N 03 03W	31			
		Monitor	Walney Light		54 03N 03 11W	13			
		Monitor	Snaefell		54 16N 04 28W	65			
		Monitor	Spanish Head		54 04N 04 46W	33			
		Monitor	Caldbeck		54 44N 03 03W	18			
		Main	Holyhead	002320018	53 19N 04 38W	13	Operational	SD	24hrs
		Monitor	Rhiw		52 50N 04 38W	46			
		Monitor	South Stack		53 18N 04 42W	33			
		Monitor	Great Orme		53 20N 03 51W	38			
		Main	Milford Haven	002320017	51 42N 05 03W	18	Operational	SD	24hrs
		Monitor	Tenby		51 42N 04 41W	24			
		Monitor	St Ann's Head		51 40N 05 11W	30			
		Monitor	Dinas Head		52 00N 04 54W	38			

NAV/MET Area	Country	VHF DSC Coast Station							RCC Associated
		Type	Name	MMSI	Position	Range (NM)	Status of implementaion [Date of Operation]	Purpose (PC/SD/PS)	
		Monitor	Blaenplwyf	002320016	52 22N 04 07W	48			
		Main	Swansea		Remote Site only	-	Operational	SD	24hrs
		Monitor	Gower		51 32N 04 17W	22			
		Monitor	Mumbles Hill		51 34N 03 59W	24			
		Monitor	St Hilary		51 25N 03 24W	32			
		Monitor	Severn Bridge		51 37N 02 39W	29			
		Monitor	Combe Martin		51 10N 04 03W	42			
		Monitor	Ilfracombe		51 13N 04 05W	22			
		Monitor	Hartland Point		51 01N 04 31W	29			
II	Benin	Main	Cotonou Radio		N.I.	N.I.	Planned[N.I.]	N.I.	N.I.
	Cameroon	Main	Douala Radio		04 04N 09 41E	N.I.	Planned[N.I.]	N.I.	N.I.
		Monitor	Kiribi Radio		N.I.	N.I.			
		Monitor	Buea Radio		N.I.	N.I.			
	Cape Verde	Main	Sao Vicente Radio		N.I.	70	Planned[1995]	N.I.	N.I.
	Congo	Main	Pointe Noire Radio		N.I.	N.I.	Planned[N.I.]	N.I.	N.I.
	Côte D'ivoire	Main	Abidjan Radio		N.I.	N.I.	Planned[N.I.]	N.I.	N.I.
	Democratic Republic of the Congo	Main	Banana Radio		N.I.	N.I.	Planned[N.I.]	N.I.	N.I.
		Monitor	Boma Radio		N.I.	N.I.			
		Monitor	Botadi Radio		N.I.	N.I.			
	Equatorial Guinea	Main	Malabo Radio	002275000	N.I.	N.I.	Planned[N.I.]	N.I.	N.I.
	France	Main	Etel		47 40N 03 12W	26	Operational	SD	24 hrs
		Monitor	Pen March		47 48N 04 22W	28			

NAV/MET Area	Country	VHF DSC Coast Station							RCC Associated
		Type	Name	MMSI	Position	Range (NM)	Status of implementaion [Date of Operation]	Purpose (PC/SD/PS)	
France	France	Monitor	Groix	002275010	47 39N 03 30W	24	Planned[N.I.]	N.I.	MRSC Soulac
		Monitor	Belle Ile		47 19N 03 14W	27			
		Monitor	Kerrouault		47 27N 02 30W	33			
		Monitor	Armandeche		46 42N 01 55W	21			
		Monitor	Yeu		46 43N 02 23W	24			
		Main	Soulac		45 32N 01 06W	24			
		Monitor	Chassiron		46 03N 01 25W	22			
		Monitor	Cap Ferret		44 37N 01 15W	22			
		Monitor	Contis		43 48N 01 18W	23			
		Monitor	Hourtin		45 09N 01 10W	23			
		Monitor	Biarritz		43 32N 01 32W	26			
	Gambia	Main	Banjul Radio	006270000	N.I.	N.I.	Planned[N.I.]	N.I.	N.I.
	Ghana	Main	Tema Radio		05 37N 00 00W	-	Operational	N.I.	24hrs
		Monitor	Winneba		05 21N 00 37W	60			
		Monitor	Aflao		06 07N 01 11W	60			
		Monitor	Tema		05 38N 00 00	60			
		Monitor	Cape Coast		05 07N 01 15W	60			
		Monitor	Half Assini		05 03N 02 53W	60			
		Monitor	Takoradi		04 54N 01 45W	60			
		Monitor	Axim		04 52N 02 14W	60			
		Monitor	Ada Radio		05 47N 00 38W	60			
	Guinea	Main	Kamsar Radio		-	-	Planned[N.I.]	N.I.	N.I.
		Monitor	Conakry Radio		N.I.	N.I.			

NAV/MET Area	Country	VHF DSC Coast Station								RCC Associated			
		Type	Name	MMSI	Position	Range (NM)	Status of implementaion [Date of Operation]	Purpose (PC/SD/PS)	Watch hours on CH70				
	Guinea Bissau	Main	Bissau Radio		N.I.	N.I.	Planned[N.I.]	N.I.	N.I.				
	Liberia	Main	Monrovia Radio		N.I.	N.I.	Planned[N.I.]	N.I.	N.I.				
	Mauritania	Main	Nouadhibou Radio		N.I.	N.I.	Planned[N.I.]	N.I.	N.I.				
		Main	Nouakchott Radio		N.I.	N.I.		N.I.	N.I.				
	Portugal	Main	Lisboa	TBD	38 41N 09 19W	30	Planned[N.I.]	SD	24 hrs	MRCC Lisbon			
		Main	Funchal		32 38N 16 54W	50		SD	24 hrs	MRCC Funchal			
		Main	Delgada		37 44N 25 40W	50		SD	24 hrs	MRCC Delgada			
	Sao Tome and Principe	Main	Radio Naval		N.I.	N.I.	Planned[N.I.]	N.I.	N.I.				
		Main	Radio Principe		N.I.	N.I.		N.I.	N.I.				
	Senegal	Main	Dakar Radio		N.I.	N.I.	Planned[N.I.]	N.I.	N.I.				
	Sierra Leone	Main	Wilberfree Hill Radio		N.I.	N.I.	Planned[N.I.]	N.I.	N.I.				
	Spain	Main	Bilbao	002240996	43 12N 03 02W	30	Planned[1996]	SD	24 hrs	N.I.			
		Main	Santander		43 25N 03 36W	30	Planned[1997]						
		Main	Gijon	002240997	43 34N 05 42W	30	Operational						
		Main	La Coruña	002240992	43 22N 08 23W	30	Operational						
		Monitor	Cabo Priorino		43 28N 08 20W	30							
		Main	Finisterre	002240993	42 42N 08 59W	40	Planned[1997]						
		Monitor	Monte Beo		43 20N 09 03W	40							
		Monitor	Monte Xastas		43 02N 09 16W	40							
		Monitor	Monte Taume		42 36N 09 03W	40							
		Main	Vigo		42 10N 08 41W	30	Planned[1997]			N.I.			
		Main	Cadiz			30	Planned[1997]						
		Main	Tarifa	002240994	36 01N 05 35W	30	Operational						

NAV/MET Area	Country	VHF DSC Coast Station							RCC Associated	
		Type	Name	MMSI	Position	Range (NM)	Status of implementaion [Date of Operation]	Purpose (PC/SD/PS)		
		Main	Algeciras			30	Planned[1997]			
		Main	Tenerife	002241007	28 29N 16 14W	30	Operational			
		Main	Las Palmas	002240995	28 09N 15 25W	30	Operational		Las Palmas	
		Monitor	La Isleta		28 10N 15 25W	30				
	Togo	Main	Cacavelli Radio		N.I.	N.I.	Planned[N.I.]	N.I.		
		Monitor	Aneho Radio			N.I.				
III	Bulgaria	Main	Varna Radio	002070810	43 15N 27 57E	52	Planned[12.1997]	PS	24 hrs	MRCC Varna
		Monitor	Kaliakara Radio		43 21N 28 28E	27				
		Monitor	Emona Radio		42 43N 27 32E	55				
		Monitor	Papia Radio		42 06N 27 51E	61				
	Croatia	Main	Split Radio	002380100	43 30N 16 28E	70	Operational	PS	24 hrs	MRCC Rijeka
		Monitor	Ucka		45 17N 14 12E	90				
		Monitor	Kamenjak		44 46N 14 47E	50				
		Monitor	Sv. Mihovil		44 04N 15 10E	40				
		Monitor	Labistica		43 34N 16 13E	80				
		Monitor	Vidova Gora		43 17N 16 37E	50				
		Monitor	Vis		43 13N 16 07E	70				
		Monitor	Uljenje		42 54N 17 29E	70				
		Monitor	Srdj		43 39N 18 07E	50				
	Cyprus	Main	Cyprus Radio	002091000	35 37N 33 20E		Operational	PS	24 hrs	RCC Larnaca RCC Bpiscopi
		Monitor	Pissouri		34 39N 32 41E	50				
		Monitor	Olympos		34 56N 32 51E	120				

NAV/MET Area	Country	VHF DSC Coast Station								RCC Associated
		Type	Name	MMSI	Position	Range (NM)	Status of implementaion [Date of Operation]	Purpose (PC/SD/PS)	Watch hours on CH70	
Egypt	Egypt	Monitor	Kionia		34 55N 33 11E	100				RCC Cairo
		Main	Alexandria Radio	006221111	31 11N 29 51E	24	TBD	SD	24 hrs	
		Main	Port Said Radio	006221113	31 31N 30 32E	21			18 hrs (0600-0000)	
	France	Main	Agde	002275410	43 29N 06 54E	31	Operational	SD	24 hrs	MRCC La Garde MRSC Agde
		Monitor	Pic Neoulos		42 29N 02 57E	94				
		Monitor	Espiguette		43 29N 04 08E	93				
		Main	La Garde	002275400	43 06N 05 59E	23				MRCC La Garde
		Monitor	Planier		43 12N 05 14E	25				
		Monitor	Coudon		43 10N 06 10E	72				
		Monitor	Pic de l'Ours		43 28N 06 54E	62				
	Greece	Main	Aspretto	002275420	41 55N 08 46E	-	Planned[End 1997]	SD	24 hrs	MRCC La Garde MRSC Corse
		Monitor	Ersa		43 58N 09 23E	64				
		Monitor	Serra Di Pigno		42 52N 09 24E	83				
		Monitor	Piana		42 14N 08 38E	69				
		Monitor	Punta		41 57N 08 42E	75				
		Monitor	Serragia		41 31N 08 57E	58				
		Monitor	Conca		41 44N 09 20E	54				
		Main	Hellas Radio	002371000	38 01N 23 50E	-				Piraeus Joint RCC 37 58N 23 40E
		Monitor	Gerania		38 00N 23 20E	98				
		Monitor	Poros/Darditsa		37 28N 23 26E	73				
		Monitor	Thasos		40 47N 24 43E	90				
		Monitor	Sfendami		40 25N 22 30E	41				

NAV/MET Area	Country	VHF DSC Coast Station							RCC Associated
		Type	Name	MMSI	Position	Range (NM)	Status of implementaion [Date of Operation]	Purpose (PC/SD/PS)	
		Monitor	Thira		36 25N 25 26E	66			
		Monitor	Chios		38 23N 26 03E	78			
		Monitor	Kefallinia		38 08N 20 40E	107			
		Monitor	Kerkyra		39 45N 19 52E	82			
		Monitor	Kythira		36 09N 22 59E	52			
		Monitor	Limnos		39 52N 25 04E	59			
		Monitor	Sitia		35 12N 26 06E	76			
		Monitor	Andros		37 56N 24 46E	55			
		Monitor	Mytilini		39 04N 26 21E	84			
		Monitor	Tsoukalas		40 23N 23 28E	68			
		Monitor	Parnitha		38 10N 23 44E	98			
		Monitor	Petalidi		36 56N 21 52E	83			
		Monitor	Pilio		39 22N 22 57E	104			
		Monitor	Rhodos		36 16N 27 56E	78			
		Monitor	Syros		37 27N 24 53E	57			
		Monitor	Knossos		35 17N 24 53E	87			
		Monitor	Festos		35 00N 25 12E	84			
		Monitor	Patmos		37 18N 26 32E	46			
		Monitor	Moustakos		35 18N 23 37E	84			
		Monitor	Aroi		38 15N 21 46E	46			
		Monitor	Astypaiaia		36 36N 28 26E	59			

NAV/MET Area	Country	VHF DSC Coast Station							RCC Associated
		Type	Name	MMSI	Position	Range (NM)	Status of implementaion [Date of Operation]	Purpose (PC/SD/PS)	
		Monitor	Karpathos	002470001	35 28N 27 10E	66			
		Monitor	Koryfi		37 46N 21 26E	57			
		Monitor	Lichada		36 52N 22 53E	73			
		Monitor	Milos		36 41N 24 23E	78			
	Italy	Main	Roma				Planned [N.I.]	PS	24hrs
		Monitor	Conconello		45 40N 13 47E	38			
		Monitor	Piancavallo		46 05N 12 32E	92			
		Monitor	Monte Cero		45 15N 11 40E	57			
		Monitor	Ravenna Bassette		44 24N 12 12E	20			
		Monitor	Forte Garibaldi		43 36N 13 31E	39			
		Monitor	Monte Conero		43 33N 13 26E	66			
		Monitor	Monte Secco		42 58N 13 52E	38			
		Monitor	Silvi Paese		42 33N 14 05E	44			
		Monitor	Porto Cervo		41 08N 09 32E	25			
		Monitor	Monte Moro		41 06N 09 30E	56			
		Monitor	Monte Limbara		40 51N 09 10E	100			
		Monitor	Osilo		44 44N 08 40E	72			
		Monitor	Campu Spina		39 22N 08 34E	83			
		Monitor	Monte Rosso		39 13N 09 14E	19			
		Monitor	Monte Serpeddi		39 22N 09 40E	87			
		Monitor	Monte Cavo		41 45N 12 42E	83			

NAV/MET Area	Country	VHF DSC Coast Station							RCC Associated
		Type	Name	MMSI	Position	Range (NM)	Status of implementaion [Date of Operation]	Purpose (PC/SD/PS)	
		Monitor	Torre Chiaruccia	002470002	42 01N 11 49E	19			MRSC Livorno
		Monitor	Monte Argentario		42 23N 11 10E	67			
		Monitor	Gorgona		43 25N 09 53E	44			
		Monitor	Monte Nero		43 23N 10 21E	50			
		Monitor	Zoagli		44 19N 09 18E	37			
		Monitor	Castellaccio		44 25N 08 56E	56			
		Monitor	Monte Bignone		43 52N 07 43E	93			
		Main	Palermo	002470002			Planned [N.I.]	PS	24hrs
		Monitor	Monte Calvario		42 04N 14 36E	52	MRSC Ancona		
		Monitor	Abbate Argento		40 04N 17 17E	50	MRSC Bari		
		Monitor	Monteparano		40 26N 17 25E	35	MRSC ReggioCallabria		
		Monitor	Capo Colonna		39 01N 17 09E	37			
		Monitor	Punta Stilo		38 26N 16 34E	26			
		Monitor	Capo dell'Armi		37 57N 15 40E	31			
		Monitor	Ustica		38 42N 13 10E	45			
		Monitor	Monte Erice		38 02N 12 35E	72			
		Monitor	Pantelleria		36 46N 12 01E	79			
		Monitor	Lampedusa		35 30N 12 37E	25			
		Monitor	Cattabellotta		37 34N 13 13E	79			
		Monitor	Gela		37 04N 14 14E	19			
		Monitor	Siracusa Belvedere		37 05N 15 12E	41			
		Monitor	Augusta Campolato Alto		37 16N 15 12E	31	MRSC Catania		

NAV/MET Area	Country	VHF DSC Coast Station							RCC Associated	
		Type	Name	MMSI	Position	Range (NM)	Status of implementaion [Date of Operation]	Purpose (PC/SD/PS)		
		Monitor	Forte Spuria	002640570	38 16N 15 37E	32				
		Monitor	Cefalu'		38 01N 13 57E	56				
		Monitor	Serra delTuono		40 02N 15 42E	52				
		Monitor	Capri		40 33N 14 15E	50				
		Moniotr	Napoli Posillipo		40 48N 14 11E	36				
	Malta	Monitor	Malta Radio		35 53N 14 21E	35-40	Planned[1998]	SD or PS	24 hrs	
	Romania	Main	Constanta	002640570	44 07N 28 35E	19	Operational	PS	24 hrs	
	Russian Federation	Main	Novorossiisk	002734411	44 41N 37 47E	26	Operational	SD	24 hrs	
		Monitor	Doob		44 35N 37 57E	50				
		Monitor	Anapa		44 50N 37 21E	50				
		Main	Tuapse		44 06N 39 02E	46	Planned [2. 1999]	PS		
		Main	Sochi		43 32N 39 51E	71				
		Main	Taganrog		47 14N 38 56E	19				
		Main	Temriuk		45 19N 37 13E	28				
Slovenia	Main	Koper	002780200	45 32N 13 59E	86	Operational	SD	24 hrs	Koper	
Spain	Main	Almeria	002241001	36 50N 02 29W	30	Planned[6. 1996]	SD	24 hrs	N.I.	
	Main	Valencia	002241004	39 27N 00 20W	30				Tarragona	
	Main	Tarragona	002241006	41 06N 01 14W	30	Operational				
	Main	Barcelona	002240991	41 20N 02 09W	30	Operational				
	Main	Cartagena	002241003	-	-	Planned[1997]				
	Main	Palma Mallorca	002241005	39 34N 02 39W	30	Planned[6. 1996]				

NAV/MET Area	Country	VHF DSC Coast Station								RCC Associated
		Type	Name	MMSI	Position	Range (NM)	Status of implementaion [Date of Operation]	Purpose (PC/SD/PS)	Watch hours on CH70	
Turkey	Turkey	Main	Samsun	002712000	-	-	Operational	PS	24 hrs	Ankara
		Monitor	Pazar		41 08N 40 49E	60				
		Monitor	Hidirnebi		40 58N 39 26E	99				
		Monitor	Uçpinar		41 19N 36 06E	94				
		Monitor	Dütmen		41 26N 35 28E	107				
		Monitor	Inebolu		41 53N 33 43E	85				
		Monitor	Zonguldak		41 23N 31 49E	67				
	Turkey	Main	Istanbul	002711000	-	-	Operational	PS	24 hrs	Ankara
		Monitor	Akçakoca		40 08N 31 12E	66				
		Monitor	Keltepe		40 38N 30 05E	105				
		Monitor	Öarköy		40 41N 27 01E	70				
		Monitor	Camlica		41 01N 29 04E	45				
		Monitor	Mahyadagi		41 47N 27 37E	85				
		Monitor	Kayalidag		39 58N 26 38E	79				
	Turkey	Monitor	Akdag	002713000	38 33N 26 30E	92	Operational	PS	24 hrs	Ankara
		Main	Antalya		-	-				
		Monitor	Dilektepe		37 39N 27 09E	93				
		Monitor	Palamut		36 45N 27 03E	79				
		Monitor	Yumrutepe		36 15N 29 27E	88				
		Monitor	Markiz		36 43N 30 29E	80				
		Monitor	Anamur		36 02N 32 45E	61				
		Monitor	Cobandede		36 31N 36 15E	108				

NAV/MET Area	Country	VHF DSC Coast Station								RCC Associated			
		Type	Name	MMSI	Position	Range (NM)	Status of implementaion [Date of Operation]	Purpose (PC/SD/PS)	Watch hours on CH70				
IV	Bermuda(UK)	Main	Bermuda Harbour	003100001	32 23N 64 41W	30	Operational	SD	24hrs	RCC Bermuda			
	Canada	Main	Sydney	003160017	46 11 N 59 54W	40	Planned [1998]	PS	24hrs	RCC Halifax			
		Monitor	Cape North		47 01 N 60 26W	40							
			Fox Island		45 20 N 61 05W	40							
			Kilkenny Lake		46 13 N 60 10W	40							
			St Columba		46 00 N 60 51W	40							
			Cheticamp		46 35 N 61 56W	40	Planned [2000]						
			Point Escuminac		47 04 N 64 48W	40							
			North Cape		47 03 N 64 00W	40							
			Cape Egmont		46 24 N 64 08W	40							
			Montague		46 12 N 62 40W	40							
	Maine	Main	Stephenville	003160018	48 33 N 58 46W	40	Planned [1999]	PS	24hrs	RCC Halifax			
		Monitor	Port aux Basques		47 34 N 59 08W	40							
			Pinetree		48 35 N 58 40W	40							
			Ramea Island		47 31N 57 25W	40							
			Point Riche		50 42N 57 25W	40	Planned [2001]						
			Bonne Bay		49 36N 57 57W	40							
			Mount Moriah		48 58N 58 03W	40							
	Main	Main	Cap aux Meules	003160024	47 23N 61 52W	40	Planned [1999]						
	Main	Riviere au Renard		003160025	49 01 N 64 24W	40							
	Monitor	Forillon			48 50N 64 16W	40							
		Heath Point			49 05N 61 42W	40							

NAV/MET Area	Country	VHF DSC Coast Station							RCC Associated
		Type	Name	MMSI	Position	Range (NM)	Status of implementaion [Date of Operation]	Purpose (PC/SD/PS)	
			Havre St Pierre	003160019	50 16N 63 41W	40			RCC Halifax
			Natashquan		50 09N 61 48W	40			
			La Romaine		50 13 N 60 41W	40			
			Harrington Harbour		50 30 N 59 29W	40			
		Main	Placentia		47 17N 54 00W	40			
		Monitor	Fortne Head		47 04N 55 51W	40			
			St Lawrence		46 55 N 55 22W	40			
			Arnold's Cove		47 46 N 54 00W	40			
			Freshwater Hill		47 15N 53 58W	40			
			Cuslett		46 58N 54 09W	40			
			Cape Pine		46 37N 53 32W	40			
		Main	Halifax	003160016	-	-			
		Monitor	Ecum Secum		44 58N 62 09W	40			
			Shannon Hill		44 41N 63 37W	40			
			Ketch Harbour		44 28N 63 37W	40			
			Kingsburg		44 17N 64 17W	40			
		Main	Saint John (Fundy)	003160015	45 14N 65 59W	40			
		Monitor	Lockport		43 40N 65 08W	40			
			Yarmouth		43 44 N 66 07W	40			
			Tiverton		44 23N 66 13W	40			
			Grand Manan		44 36N 66 54W	40			
			Red Head		45 14N 65 69W	40			

NAV/MET Area	Country	VHF DSC Coast Station							RCC Associated	
		Type	Name	MMSI	Position	Range (NM)	Status of implementaion [Date of Operation]	Purpose (PC/SD/PS)		
			Cape Blomidon		45 13N 64 24W	40				
			Scotch Mountain		45 46N 65 47W	40				
		Main	St John's (Robin Hood Bay)	003160020	47 37N 52 40W	40		Planned [2000]		
		Monitor	Victoria		47 47N 53 17W	40				
			Capr Bonavista		48 42N 53 05W	40				
			Lumsden		49 17N 53 35W	40				
		Main	St Anthony		51 30N 55 50W	40				
		Monitor	Twillingate		49 41N 54 48W	40				
			Coimfort Cove		49 15N 54 53W	40				
			Conche		50 54N 55 53W	40				
			L'Anse aux Meadows		51 34N 55 30W	40				
			Fox Harbour		52 22N 55 40W	40				
		Mexico	Main	Altamira Tamps	003450100	22 19N 97 49W	30	Planned[7. 1995]	PS	
			Main	Tamnico Tamps	003450110	22 13N 97 52W	30			
			Main	Veracruz, Ver.	003450130	19 10N 96 07W	30			
			Main	Progreso Yuc.	003450160	21 16N 89 41W	30			
		United States	TBD				Planned[N.I.]			
V	Brazil	Main	Rio Radio		32 57S 43 40W	30	Planned[TBD]	SD	24 hrs	
		Main	Santos Radio		23 59S 46 18W	30				
		Main	Vitoria Radio		20 18S 40 20W	30				
		Main	Port Alegre Radio		30 04S 61 10W	30				
	Uruguay	N.I.	Colonia Radio		34 28S 57 51W	N.I.	Planned[N.I.]	N.I.	N.I.	
		N.I.	Montevideo Radio		34 56S 56 10W	N.I.				

NAV/MET Area	Country	VHF DSC Coast Station								RCC Associated
		Type	Name	MMSI	Position	Range (NM)	Status of implementaion [Date of Operation]	Purpose (PC/SD/PS)	Watch hours on CH70	
		N.I.	Punta del Este Radio		N.I.	N.I.				
		N.I.	La Paloma Radio		34 39S 54 08W	N.I.				
		N.I.	Santa Teresa Radio			N.I.				
VI	Argentina	Main	Argentina Radio	007010111	34 36S 58 28W	35	Operational	PS	24 hrs	RCC Buenos Aires
		Main	Mar del Plata	007010221	38 03S 57 32W	35	Operational	SD	24 hrs	Puerto Belgrano
VII	Angola	Main	Luanda Radio		N.I.	N.I.	Planned[N.I.]	N.I.	N.I.	
	Comoros	Main	Moroni Radio		-	-	Planned[N.I.]	N.I.	N.I.	
		Monitor	Qussoudjou Radio		N.I.	N.I.				
	Madagascar	Main	Toamasina Radio		N.I.	N.I.	Planned[N.I.]	N.I.	N.I.	
		Main	Mahajanga Radio		N.I.	N.I.				
		Main	Toliara Radio		N.I.	N.I.				
	Mozambique	Main	Maputo Radio		N.I.	N.I.	Planned[N.I.]	N.I.	N.I.	
VIII	Kenya	Main	Mombasa Radio		N.I.	N.I.	Planned[N.I.]	N.I.	N.I.	
		Monitor	Malindi Radio		N.I.	N.I.				
		Monitor	Msambweni Radio		N.I.	N.I.				
	Mauritius	Main	Mauritius Radio		N.I.	N.I.	Planned[N.I.]	N.I.	N.I.	
	Myanmar		TBD				Planned[1995]			
	Seychelles	Main	Seychelles Radio		N.I.	N.I.	Planned[N.I.]	N.I.	N.I.	
	Tanzania	Main	Dar es Salaam Radio		N.I.	N.I.	Planned[N.I.]	N.I.	N.I.	
		Monitor	Zanzibar Radio		N.I.	N.I.				
		Monitor	Mtware Radio		N.I.	N.I.				
IX	Djibouti	Main	Djibouti Radio		N.I.	N.I.	Planned[N.I.]	N.I.	N.I.	
		Monitor	Pic du day Radio		N.I.	N.I.				

NAV/MET Area	Country	VHF DSC Coast Station								RCC Associated			
		Type	Name	MMSI	Position	Range (NM)	Status of implementaion [Date of Operation]	Purpose (PC/SD/PS)	Watch hours on CH70				
	Egypt	Main	Kosseir Radio	006221112	26 07N 34 17E	21	TBD	SD	18 hrs (0600-0000)	RCC Cairo			
	Jordan	Main	Aqaba Radio	004381234	29 27N 34 58E	25	Planned[N.I.]	PS	24 hrs	Harbour Master, Aqaba			
		Monitor	Aqaba Port Control		29 30N 34 59E	25							
	Oman	Main	Muscat		23 36N 58 30E	25 to 30	Planned[N.I.]	PS	N.I.	HQ Royal Air Force of Sultanate of Oman			
	Pakistan	Main	Karachi	004634060	24 52N 67 01E	40	Planned[2 1998]	N.I.	N.I.				
		Main	Ormara	004634056	25 12N 64 38E	40	TBD						
		Main	Gwadar	004634052	25 08N 64 20E	40							
	Saudi Arabia	Main	Damman Radio		26 26N 50 06E	N.I.	Planned[N.I.]	N.I.	N.I.				
		Main	Jeddah Radio		21 23N 39 10E	N.I.							
	Sudan	Main	Jebel Erba Radio		N.I.	N.I.	Planned[N.I.]	N.I.	N.I.				
	United Arab Emirates	Main	Emirates Radio		-	-	Planned[End 1995]	N.I.	N.I.				
		Monitor	Abu Dhabi Radio		24 28N 54 22E	N.I.							
		Monitor	Fujeirah Radio		25 04N 56 21E	N.I.							
		Monitor	Jebal Ali Radio		25 02N 55 06E	N.I.							
		Monitor	Khor Fakkan Radio		25 21N 56 22E	N.I.							
		Monitor	Ras Al Khaimah Radio		25 47N 55 59E	N.I.							
		Monitor	Jebal Dhana Radio		24 06N 52 44E	N.I.							
		Monitor	Umm Al Quwain Radio		25 32N 55 32E	N.I.							
		Monitor	Zirku Radio		24 53N 53 04E	N.I.							
X		NONE											
XI	China	Main	Dalian Radio	004121300	38 50N 121 31E	25	Planned[End 1998]	PS	24 hrs	Liaoning MRCC			
		Main	Fuzhou Radio	004122600	26 02N 119 18E	25				Fujian MRCC			

NAV/MET Area	Country	VHF DSC Coast Station							RCC Associated	
		Type	Name	MMSI	Position	Range (NM)	Status of implementaion [Date of Operation]	Purpose (PC/SD/PS)		
		Main	Guangzhou Radio	004123100	23 08N 113 29E	25			Guangdong MRCC	
		Main	Haikou Radio	004123500	20 01N 110 17E	25			Haikou HSA	
		Main	Lianyungang Radio	004122300	34 42N 119 18E	25			Lianyungang MRCC	
		Main	Ningbo Radio	004122400	30 01N 121 30E	25			Ningbo HSA	
		Main	Qingdao Radio	004122200	36 10N 120 28E	25			Qingdao MRSC	
		Main	Quinhuangdao Radio	004121200	39 53N 119 31E	25			Heibei MRCC	
		Main	Shanghai Radio	004122100	31 06N 121 32E	25			Shanghai MRCC	
		Main	Tianjin Radio	004121100	39 03N 117 25E	25			Tianjin MRCC	
		Main	Xiamen Radio	004122700	24 35N 118 06E	25			Xiamen MRSC	
		Main	Yantai Radio	004121400	37 32N 121 22E	25			Yantai MRSC	
		Main	Zhanjiang Radio	004123300	21 09N 110 21E	25			Zhanjiang RSC	
	Guam (US)	Main	Guam	003669994	13 29N 144 50E	N.I.	Planned[1999]	SD	24 hrs	Honolulu
	Indonesia	N.I.	Ambon		03 41W 128 10E	N.I.		PS	N.I.	MRSC Ambon
		N.I.	Atapupu		09 01S 124 51E	N.I.				MRSC Kupang
		N.I.	Balikpapan		01 16S 116 48E	N.I.				MRSC Balikpapan
		N.I.	Banabungi		05 30S 122 50E	N.I.				MRSC Ujungpandang
		N.I.	Banjarmasin		03 20S 114 35E	N.I.				MRSC Banjarmasin
		N.I.	Batu Ampar		01 09N 104 04E	N.I.				MRSC Tanjungpinang
		N.I.	Bawean		05 51N 112 39E	N.I.				MRCC Surabaya
		N.I.	Belawan		03 43N 98 40E	N.I.				MRSC Medan
		N.I.	Bengkulu		03 55S 102 16E	N.I.				MRSC Palembang
		N.I.	Benoa		08 44S 115 12E	N.I.				MRSC Denpasar

NAV/MET Area	Country	VHF DSC Coast Station							RCC Associated
		Type	Name	MMSI	Position	Range (NM)	Status of implementaion [Date of Operation]	Purpose (PC/SD/PS)	
		N.I.	Biak		01 11S 136 05E	N.I.			MRCC Biak
		N.I.	Bima		08 27S 118 43E	N.I.			MRSC Denpasar
		N.I.	Bintuni		02 07S 133 30E	N.I.			MRSC Sorong
		N.I.	Bitung		01 26N 125 10E	N.I.			MRSC Menado
		N.I.	Celukan Bawang		08 11S 114 49E	N.I.			MRSC Palembang
		N.I.	Cigading		06 30S 105 57E	N.I.			MRCC Jakarta
		N.I.	Cilacap		07 45S 109 02E	N.I.			MRCC Jakarta
		N.I.	Cirebon		06 45S 108 33E	N.I.			MRCC Jakarta
		N.I.	Dabo Singkep		00 30S 104 34E	N.I.			MRSC Pekanbaru
		N.I.	Dilli		08 33S 125 34E	N.I.			MRSC Kupang
		N.I.	Donggala		00 39S 119 44E	N.I.			MRSC Menado
		N.I.	Dumai		01 41N 101 27E	N.I.			MRSC Pekanbaru
		N.I.	Ende		08 50S 121 38E	N.I.			MRSC Kupang
		N.I.	Fak-Fak		01 57S 131 17E	N.I.			MRSC Sorong
		N.I.	GN. Sitoli		01 19N 97 36E	N.I.			MRSC Medan
		N.I.	Gorontalo		00 29N 123 03E	N.I.			MRSC Menado
		N.I.	Gresik		07 09S 112 39E	N.I.			MRCC Surabaya
		N.I.	Jakarta		06 07S 106 51E	N.I.			MRCC Jakarta
		N.I.	Jambi		01 01S 104 08E	N.I.			MRSC Padang
		N.I.	Jayapura		02 30S 140 43E	N.I.			MRSC Jayapura
		N.I.	Kaimana		03 40S 135 45E	N.I.			MRSC Sorong
		N.I.	Kalabahi		08 03S 124 30E	N.I.			MRSC Denpasar

NAV/MET Area	Country	VHF DSC Coast Station							RCC Associated
		Type	Name	MMSI	Position	Range (NM)	Status of implementaion [Date of Operation]	Purpose (PC/SD/PS)	
		N.I.	Kaliangget		07 04S 113 58E	N.I.			MRCC Surabaya
		N.I.	Kendari		03 55S 122 25E	N.I.			MRCC Ujungpandang
		N.I.	Kupang		10 09S 123 34E	N.I.			MRSC Kupang
		N.I.	Lahewa		01 24N 97 09E	N.I.			MRCC Ujungpandang
		N.I.	Larantuka		08 20S 122 59E	N.I.			MRSC Kupang
		N.I.	Lembar		08 43S 116 04E	N.I.			MRSC Denpasar
		N.I.	Luwuk		00 56S 122 47E	N.I.			MRSC Menado
		N.I.	Makassar		05 06S 119 25E	N.I.			MRCC Ujungpandang
		N.I.	Manokwari		00 48S 134 00E	N.I.			MRCC Biak
		N.I.	Masalembu		05 34S 114 27E	N.I.			MRCC Ujungpandang
		N.I.	Maumere		08 59S 122 13E	N.I.			MRSC Kupang
		N.I.	Menado		01 20N 129 50E	N.I.			MRSC Menado
		N.I.	Meneng		08 07S 114 23E	N.I.			MRCC Surabaya
		N.I.	Merauke		08 28S 110 23E	N.I.			MRSC Merauke
		N.I.	Padang Bai		08 32S 115 30E	N.I.			MRSC Pedang
		N.I.	Palembang		02 50S 104 46E	N.I.			MRSC Palembang
		N.I.	Panarukan		07 14S 113 56E	N.I.			MRCC Surabaya
		N.I.	Pangkal Balam		02 10S 106 07E	N.I.			MRSC Tanjungpinang
		N.I.	Panjang		05 28S 105 19E	N.I.			MRSC Palembang
		N.I.	Parigi		00 48N 120 09E	N.I.			MRSC Menado
		N.I.	Pontianak		00 01S 109 18E	N.I.			MRSC Pontianak
		N.I.	Poso		01 22N 120 45E	N.I.			MRSC Menado

NAV/MET Area	Country	VHF DSC Coast Station							RCC Associated
		Type	Name	MMSI	Position	Range (NM)	Status of implementaion [Date of Operation]	Purpose (PC/SD/PS)	
		N.I.	Probolinggo		07 23S 113 13E	N.I.			MRCC Surabaya
		N.I.	Pulang Pisau		02 45S 114 15E	N.I.			MRSC Tanjungpinang
		N.I.	Pulau Sambu		01 09N 103 53E	N.I.			MRSC Tanjungpinang
		N.I.	Rengat		00 29S 102 41E	N.I.			MRSC Tanjungpinang
		N.I.	Sabang		05 54N 95 21E	N.I.			MRSC Medang
		N.I.	Samarinda		00 30S 117 09E	N.I.			MRSC Balikpapan
		N.I.	Sampit		02 33S 112 57E	N.I.			MRSC Banjarmasin
		N.I.	Sanana		02 03S 125 59E	N.I.			MRSC Ambon
		N.I.	Selat Panjang		01 01N 102 43E	N.I.			MRSC Tanjungpinang
		N.I.	Semarang		06 56E 110 25E	N.I.			MRCC Surabaya
		N.I.	Serui		01 53S 136 14E	N.I.			MRCC Biak
		N.I.	Siau		02 44N 125 23E	N.I.			MRSC Menado
		N.I.	Sibolga		01 44N 98 46E	N.I.			MRSC Medan
		N.I.	Sintete		01 10N 109 04E	N.I.			MRSC Pontianak
		N.I.	Sorong		00 53S 131 00E	N.I.			MRSC Sorong
		N.I.	Sunda Kelapa		N.I.	N.I.			MRCC Jakarta
		N.I.	Surabaya		07 12S 112 44E	N.I.			MRCC Surabaya
		N.I.	Tahuna		03 36N 125 30E	N.I.			MRSC Menado
		N.I.	Tarakan		03 17N 117 35E	N.I.			MRSC Balikpapan
		N.I.	Tegal		06 51S 109 08E	N.I.			MRCC Jakarta
		N.I.	Teluk Bayur		01 00S 100 21E	N.I.			MRSC Pedang
		N.I.	Teluk Dalam		00 35N 97 49E	N.I.			MRSC Pedang

NAV/MET Area	Country	VHF DSC Coast Station							RCC Associated	
		Type	Name	MMSI	Position	Range (NM)	Status of implementaion [Date of Operation]	Purpose (PC/SD/PS)		
		N.I.	Tembilahan		00 19S 103 09E	N.I.			MRSC Tanjungpinang	
		N.I.	Ternate		00 47N 127 22E	N.I.			MRSC Ambon	
		N.I.	TG BL Karimun		00 56N 103 26E	N.I.			MRSC Tanjungpinang	
		N.I.	TG Pinang		00 55N 104 26E	N.I.			MRSC Tanjungpinang	
		N.I.	TG Uban		01 03N 104 13E	N.I.			MRSC Tanjungpinang	
		N.I.	Toli-Toli		01 03N 120 48E	N.I.			MRSC Menado	
		N.I.	Tual		05 20S 132 40E	N.I.			MRSC Ambon	
		N.I.	Olee Lheue		05 33S 95 16E	N.I.			MRSC Menado	
		N.I.	Waingapu		09 39S 120 15E	N.I.			MRSC Kupang	
	Japan	TBD								
	Korea, Republic of	Main	Inchon National Maritime Police Agency	004401001	37 45N 126 36E	23	Operational	SD	24 hrs	Inchon RCC
		Main	Busan National Maritime Police Agency		35 07N 129 05E	N.I.	Planned[1997]	SD	24 hrs	Busan RCC
		Main	Donghae National Maritime Police Agency	004401002	37 31N 129 07E	35	Operational	SD	24 hrs	Donghae RCC
		Main	Mokpo National Maritime Police Agency		34 47N 126 24E	N.I.	Planned[1997]	SD	24 hrs	Mokpo RCC
		Main	Cheju National Maritime Police Agency		33 31N 126 32E	N.I.	Planned[1997]	SD	24 hrs	Cheju RCC
	Singapore	Main	Singapore Radio (Jurong Radio)	005630002	01 16N 103 51E	25	Operational	SD	24 hrs	
	Thailand	Main	Bangkok Radio	005671000	13 09N 100 55E	27	Planned[N.I.]	PS	24 hrs	Bangkok
		Monitor	Prachub Radio		TBD					
		Monitor	Surat Radio		TBD					

NAV/MET Area	Country	VHF DSC Coast Station								RCC Associated	
		Type	Name	MMSI	Position	Range (NM)	Status of implementation [Date of Operation]	Purpose (PC/SD/PS)	Watch hours on CH70		
XII	Canada	Monito	Songrhla Radio								
		Monito	Phuket Radio								
		Main	Ho Chi Minh-Ville Radio	005741993	10 47N 106 40E	23	Planned[1996]	PS	24 hrs	Saigon port Authority	
		Main	Haiphong Radio	005741996	20 44N 106 44E	23				Haiphong port Authority	
		Main	Danang Radio	005741999	16 05N 108 13E	23				Danang port Authority	
		Main	Nhatrang Radio	005742002	12 15N 109 12E	23				Nhatrang port Authority	
		Main	Vungtau Radio	005742005	10 19N 107 04E	23				Vungtau port Authority	
		Main	Hong Kong Maritime Rescue Radio Tai Mo Shan	004773500	22 24N 114 07E	50	Operational	SD	24 hrs	Hong Kong MRCC	
		Main	Victoria Peak (Alternative)		22 16N 114 08E	50	Operational	SD	24 hrs		
		Main	Vancouver	003160010	-	-	Planned [1998]	PS	24hrs	RCC Victoria	
		Monitor	Mount Parke		48 50N 123 18W	40					
			Bowen		49 21N 123 23W	40					
			Helmcken		48 24N 123 34W	40					
			Watts Point		49 39N 123 13W	40	Planned [2001]				
		Main	Tofino	003160012	-	-	Planned [1998]				
		Monitor	Holberg		50 38N 128 08W	40					
			Eliza Dome		49 52N 127 07W	40					
			Mount Ozzard		48 58N 125 30W	40					
		Main	Prince Rupert		54 18N 130 25W	40					
		Monitor	Dundas	003160013	54 31N 130 55W	40	Planned [2000]				
			Rose Inlet		52 13N 131 13W	40					
			Klemtu		52 35N 128 34W	40					

NAV/MET Area	Country	VHF DSC Coast Station								RCC Associated
		Type	Name	MMSI	Position	Range (NM)	Status of implementation [Date of Operation]	Purpose (PC/SD/PS)	Watch hours on CH70	
			Mount Gil		53 16N 129 12W	40				
			Naden Harbour		53 57N 132 57W	40				
			Cumshewa		53 10N 132 00W	40				
		Main	Comox	003160014	49 45N 124 57W	40				
		Monitor	Port Hardy		50 37N 126 55W	40				
			Discovery		50 19N 125 22W	40				
			Texada		49 42N 124 26W	40				
		Main	Guayaquil	007354750	02 11S 79 53W	30	Operational	N.I.	24 hrs	Guayaquil Coast Guard
		Monitor	Esmeraldas (Remort Controlled)	007354752	00 57N 70 39W	30				
		Monitor	Bahia (Remort Controlled)	007354753	00 35S 80 25W	30				
		Monitor	Manta (Remort Controlled)	007354754	00 57S 80 43W	30				
		Monitor	Salinas (Remort Controlled)	007354755	02 12S 80 52W	30				
		Monitor	Puerto Bolivar (Remort Controlled)	007354756	03 16S 80 00W	30				
		Main	Ayora	007354757	00 49S 90 20W	30				
		Monitor	Baquerizo Moreno (Remort Controlled)	007354758	00 54S 89 37W	30				
	Mexico	Main	San Jose de los Cabos, B.C.S.	003450300	21 53N 109 55W	30	Planned[7. 1995]	PS	24 hrs	
		Main	Mazanillo Col.	003450230	19 08N 104 26W	30				
XIII	TBD						Planned[N.I.]			
XIV	NONE									
XV	Chile	Main	Arica	007250010	18 29S 70 19W	60	Operational	SD	24 hrs	MRCC Iquique
		Main	Iquique	007250020	20 21S 70 25W	90		SD		

NAV/MET Area	Country	VHF DSC Coast Station							RCC Associated
		Type	Name	MMSI	Position	Range (NM)	Status of implementaion [Date of Operation]	Purpose (PC/SD/PS)	
		Main	Tocopilla	007250030	22 06S 70 12W	18	Planned	SD	24hrs
		Main	Mejillones	007250040	23 06S 70 13W	18		SD	
		Main	Antofagasta	007250050	23 40S 70 25W	60		SD	
		Main	Taltal	007250060	25 24S 70 29W	18		SD	
		Main	Chanaral	007250070	26 21S 70 38W	18		SD	
		Main	Caldera	007250080	27 04S 70 42W	18		SD	
		Main	Huasco	007250090	28 28S 71 15W	18		SD	
		Main	Isla de Pascua	007250100	27 11S 109 25W	60	Operational	SD	
		Main	Coquimbo	007250110	29 56S 71 13W	70		SD	
		Main	Los Vilos	007250120	31 45S 71 31W	18		SD	
		Main	Quintero	007250125	32 46S 71 31W	18	Planned	SD	
		Main	Juan Fernandez	007250130	33 37S 78 50W	18	Operational	SD	
		Main	Valparaiso	007251860	33 01S 71 39W	80	Planned	PS	
		Main	San Antonio	007250140	33 34S 71 37W	40		SD	
		Main	Constitucion	007250150	35 20S 72 35W	18		SD	
		Main	Talcahuano	007250170	36 42S 73 06W	40	Operational	SD	MRCC Talcahuano
		Main	Coronel	007250180	37 01S 73 09W	18	Planned	SD	
		Main	Lebu	007250190	37 38S 73 40W	18		SD	
		Main	Isla Mocha	007250200	38 23S 73 53W	18		SD	
		Main	Corral	007250210	39 53S 73 25W	18		SD	
		Main	Valdivia	007250220	39 48S 73 15W	15	Operational	SD	
		Main	Puerto Montt	007250230	41 29S 72 57W	40		SD	MRCC Puerto Montt

NAV/MET Area	Country	VHF DSC Coast Station							RCC Associated	
		Type	Name	MMSI	Position	Range (NM)	Status of implementaion [Date of Operation]	Purpose (PC/SD/PS)		
		Main	Corona	007250235	41 47S 73 53W	30	Planned	SD	24hrs	MRCC Punta Arenas
		Main	Ancud	007250240	41 25S 73 50W	15		SD		
		Main	Castro	007250250	42 29S 73 46W	15		SD		
		Main	Chaiten	007250260	42 55S 72 43W	18		SD		
		Main	Quellon	007250270	43 07S 73 38W	15		SD		
		Main	Melinka	007250280	43 54S 73 45W	15		SD		
		Main	Isla Guafo	007250290	43 34S 74 50W	40		SD		
		Main	Puerto Agufre	007250294	45 10S 73 32W	18		SD		
		Main	Chacabuco	007250298	45 28S 73 49W	18		SD		
		Main	Aysen	007250300	45 24S 72 42W	15		SD		
		Main	Raper	007250310	46 49S 75 37W	30		SD		
		Main	San Pedro	007250320	47 43S 74 53W	25		SD		
		Main	Puerto Eden	007250330	49 08S 74 26W	10		SD		
		Main	Puerto Natales	007250340	51 45S 72 32W	15		SD		
		Main	Evangelistas	007250350	52 24S 75 06W	30		SD		
		Main	Fairway	007250360	52 44S 73 47W	25		SD		
		Main	Bahia Felix	007250370	52 58S 74 04W	22		SD		
		Main	Punta Arenas	007250380	53 09S 70 57W	75	Operational	SD		
		Main	Punta Delgada	007250390	52 28S 69 33W	18		SD		
		Main	Dungenes	007250400	52 24S 68 26W	22	Planned	SD		
		Main	Espiritu Santo	007250410	52 40S 68 37W	30		SD		
		Main	Puerto Williams	007250420	54 56S 67 37W	15		SD		

NAV/MET Area	Country	VHF DSC Coast Station							RCC Associated	
		Type	Name	MMSI	Position	Range (NM)	Status of implementaion [Date of Operation]	Purpose (PC/SD/PS)		
		Main	Wollaston	007250430	55 37S 68 18W	25		SD		
		Main	Cabo de Homos	007250435	55 58S 57 13W	25		SD		
		Main	Diego Ramirez	007250440	56 31S 68 43W	35		SD		
		Main	Bahia Fildes (Antarctica)	007250450	62 13S 58 49W	20		SD		
		Main	Base A.Prat (Antarctica)	007250460	62 29S 59 38W	20		SD		
		Main	Bahfa Parafso	007250470	64 49S 62 51W	20		SD		
XVI	Peru	Main	Paita	007600121	05 05S 81 07W	40	Operational	SD	24 hrs	MRSC Paita
		Main	Callao	007600125	12 03S 77 09W	40	Planned[1997]	SD	24 hrs	MRCC Callao
		Main	Mollendo	007600129	17 01S 72 01W	40	TBD	SD	24 hrs	MRSC Mollendo

ANNEX 3

LIST OF MF DSC COAST STATIONS FOR SEA AREAS A2

NAV/MET Area	Country	MF DSC Coast Station								RCC Associated
		Type	Name	MMSI	Position	Range (NM)	Status of implementation [Date of operation]	Purpose (PC/SD/PS)	Watch hours on 2187.5kHz	
I	Belgium	Main	Oostende Radio	002050480	51 11N 02 48E	115	Operational	PS	24 hrs	Oostende
	Denmark	Main	Blaavand Radio	002192000	55 33N 08 06E	153	Operational	PS	24 hrs	SOK, Aarhus
		Monitor	Skagen		57 44N 10 34E	148				
	Estonia	Main	Torshavn Radio(Færöes)	002311000	62 00N 06 47W	225	Operational	PS	24 hrs	MRCC Torshavan
		Main	Tallinn	002760100	59 27N 24 40E	150	Operational	N.I.	24 hrs	MRCC Tallinn
		Main	Ryhunu	002760110	57 48N 23 16E	150				
		Main	Kärdla	002760130	59 00N 22 45E	150				
	Finland	Main	Kunda	002760150	59 31N 26 33E	150				
		Main	Turku/Helsinki	002301234	-	-	Operational	SD	24 hrs	MRCC Turku
		Monitor	CRS Sondby RX		60 16N 25 51E	185		PS		MRSC Helsinki
		Monitor	Helsinki TX		60 09N 25 09E	185		SD		MRCC Turku
		Monitor	Mariehamn TX		60 07N 19 57E	185		SD		MRSC Vaasa
		Monitor	Mariehamn RX		63 18N 21 10E	185		SD		MRCC Turku
		Monitor	Hailuoto		65 02N 24 32E	185		SD		MRSC Vaasa
		Monitor	Raippaluoto TX		63 19N 21 08E	185		SD		MRCC Turku
		Monitor	Raippaluoto RX		63 18N 21 10E	185		SD		MRSC Vaasa
France		Main	Ouessant(transmission)	002275300	48 28N 05 03W	300	Operational	SD	24 hrs	MRCC Corsen
		Main	Corsen (reception)		48 24N 04 24W					
Greenland (Denmark)	Main	Aasiaat	003313000	69 15N 53 31W	280	Operational	SD	24 hrs	MRCC Grønnedal	
	Monitor	Upernivik		72 47N 56 10W	280					
	Monitor	Sisimiut		66 55N 53 40W	270					

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NAV/MET Area	Country	MF DSC Coast Station								RCC Associated
		Type	Name	MMSI	Position	Range (NM)	Status of implementation [Date of operation]	Purpose (PC/SD/PS)	Watch hours on 2187.5kHz	
		Main	Nuuk	003312000	64 04N 52 01W	250				
		Monitor	Paamiut		62 00N 49 43W	230				
		Main	Qaqortoq	003311000	60 41N 46 36W	220				
		Monitor	Ikerasassuaq		60 04N 43 10W	220				
		Main	Ammassilik	003314000	65 36N 37 38W	280				
	Iceland	Main	Reykjavik Radio		64 05N 21 51W	216	Planned[1995]	N.I.	N.I.	MRCC Keflavik
		Main	Isafjordur Radio		66 05N 23 02W	227				
		Main	Siglufjordur Radio		66 11N 18 57W	216				
		Main	Neskaupstadur Radio		65 09N 13 42W	194				
		Main	Hornafjordur Radio		64 15N 15 13W	194				
		Main	Vestmannaearjar Radio		63 26N 20 16W	194				
Ireland		Main	Malin Head Radio	002500100	55 21N 07 20W	150	Operational	SD	24 hrs	MRCC Shannon Airport
		Main	Valentia Radio	002500200	51 55N 10 20W	150				
Latvia		Main	Riga Rescue Radio	002750100	56 58N 24 05E	150	Operational	SD	24 hrs	MRCC Riga
Netherlands		Main	Netherlands CoastGuard(Tx)	002442000	52 06N 04 15E	240	Operational	SD	24 hrs	Coast Guard Centre IJmuideren
		Monitor	Appingedam (Rx)		53 20N 06 51E	150				
		Monitor	Hook of Holland (Rx)		51 59N 04 06E	150				
Norway		Main	Tjome Radio	002570100	59 05N 10 25E	200	Operational	PS	24 hrs	RCC Stavanger
		Main	Farsund Radio	002570200	58 04N 06 45E	200				
		Main	Rogaland Radio	002570300	58 47N 05 34E	200				
		Main	Bergen Radio	002570400	60 42N 04 52E	200				
		Main	Floro Radio	002570500	61 35N 05 00E	200				

NAV/MET Area	Country	MF DSC Coast Station								RCC Associated	
		Type	Name	MMSI	Position	Range (NM)	Status of implementation [Date of operation]	Purpose (PC/SD/PS)	Watch hours on 2187.5kHz		
		Main	Ørlandet Radio	002570600	63 41N 09 36E	200	Operational	PS	24 hrs	RCC Stavanger/Bodø	
		Monitor	Aalesund		62 28N 06 12E	200					
		Main	Bodø Radio	002570700	67 16N 14 23E	200		PS	24 hrs		
		Monitor	Sandnessjøen		66 01N 12 37E	200					
		Monitor	Andenes		69 18N 16 04E	200					
		Monitor	Jan Mayen		70 57N 08 40W	200					
		Main	Vardø Radio	002570800	70 22N 31 06E	200	Operational	PS	24 hrs		
		Monitor	Tromsø		69 39N 18 57E	200					
		Monitor	Hammerfest		70 40N 23 40E	200					
		Monitor	Berlevåg		70 52N 29 04E	200					
	Poland	Main	Witowo-Radio	002610210	54 33N 16 32E	N.I.	Operational	PS	N.I.	Polratok-Gdynia Polratok-Swinoujście	
		Main	Szczecin Radio		53 28N 14 35E	150	Planned[N.I.]	PS	N.I.		
		Monitor	Barzowice(TX only)		54 32N 16 32E	150					
		Monitor	Szczecin/Zelechowo (TX only)		53 28N 14 34E	150					
		Monitor	Miedzyzdroje a-Grzywacz (RX only)		N.I.	N.I.					
		Monitor	Jarosławiec (RX only)		N.I.	N.I.					
		Monitor	Trzeszczyn (RX only)		N.I.	N.I.					
	Sweden	Main	Göteborg	002651000	57 28N 11 56E	210	Operational	PS	24 hrs	MRCC Göteborg MRSC Stockholm	
		Main/Monitor	Stockholm/Stavsnäs (TX only)	002652000	59 16N 18 42E	210					
		Monitor	Bjuröklubb		64 28N 21 36E	250					
		Monitor	Hoburg (RX only)		56 56N 18 13E	210		SD			

NAV/MET Area	Country	MF DSC Coast Station								RCC Associated
		Type	Name	MMSI	Position	Range (NM)	Status of implementation [Date of operation]	Purpose (PC/SD/PS)	Watch hours on 2187.5kHz	
	Russian Federation	N.I.	N.I.		N.I.	N.I.	Planned[N.I.]	N.I.	N.I.	St. Petersburg
	United Kingdom	Main	Aberdeen	002320004	57 38N 02 14W	150	Operational	SD	24 hrs	Aberdeen MRCC
		Main	Tyne-Tees	002320006	55 20N 00 34W	150				Tyne/Tees MRSC
		Main	Humber Head	002320007	54 17N 00 05W	150				Humber MRSC
		Main	Stornoway	002320024	58 13N 06 20W	150				Stornoway MRSC
		Main	Holyhead	002320018	53 18N 04 38W	150				Holyhead MRSC
		Main	Falmouth	002320014	50 08N 05 02W	150				Falmouth MRCC
		Main	Tiree	002320022	56 31N 06 48W	150				Clyde MRCC
		Main	Milford Haven	002320017	51 41N 05 10W	150				Milford Haven MRSC
		Main	Lerwick	002320001	60 09N 01 09W	150				Shetland MRSC
II	Benin	Main	Cotonou Radio		N.I.	N.I.	Planned[N.I.]	N.I.	N.I.	
	Cape Verde	Main	Sao Vicente Radio		N.I.	100	Planned[1996]	N.I.	N.I.	
	Cameroon	Main	Douala Radio		N.I.	N.I.	Planned[N.I.]	N.I.	N.I.	
	Congo	Main	Pointe Noire Radio		N.I.	N.I.	Planned[N.I.]	N.I.	N.I.	
	Côte D'ivoire	Main	Abidjan Radio		N.I.	N.I.	Planned[N.I.]	N.I.	N.I.	
	Democratic Republic of the Congo	Main	Banana Radio		N.I.	N.I.	Planned[N.I.]	PS	N.I.	
	France	Main	Ouessant(transmission)	002275300	48 28N 05 03W	300	Operational	SD	24 hrs	MRCC Corsen
		Main	Corsen (reception)		48 24N 04 24W					
	Ghana	Main	Tema Radio		05 37N 00 00W	100	Planned[N.I.]	N.I.	N.I.	Harbour Master's Office, Accra
	Guinea	Main	Kamsar Radio		N.I.	N.I.	Planned[N.I.]	N.I.	N.I.	
	Guinea Bissau	Main	Bissau Radio		N.I.	N.I.	Planned[N.I.]	N.I.	N.I.	
	Liberia	Main	Monrovia Radio		N.I.	N.I.	Planned[N.I.]	N.I.	N.I.	

NAV/MET Area	Country	MF DSC Coast Station								RCC Associated
		Type	Name	MMSI	Position	Range (NM)	Status of implementation [Date of operation]	Purpose (PC/SD/PS)	Watch hours on 2187.5kHz	
	Mauritania	Main	Nouadhibou Radio		N.I.	N.I.	Planned[N.I.]	N.I.	N.I.	
	Portugal	Main	MRCC Lisboa	002630100	38 41N 09 19W	200	Planned[N.I.]	SD	24 hrs	MRCC Lisboa
		Monitor	Apulia Radio	002630200	41 28N 08 45W	200				RCC Lisboa
		Monitor	Sagres Radio	002630400	37 00N 08 56W	200				MRCC Delgada
		Main	MRCC Delgada	002040100	37 44N 25 40W	200				RCC Lages
		Monitor	Horta Radio	002040200	38 38N 28 32W	200				MRSC Funchal
		Monitor	Delgada Radio	002040300	37 44N 25 40W	200				RCC Lisboa
		Main	MRSC Funchal	002550100	32 38N 16 54W	200				
		Monitor	Porto Santo Radio	002550200	33 04N 16 21W	200				
	Senegal	Main	Dakar Radio		N.I.	N.I.	Planned[N.I.]	N.I.	N.I.	
	Sierra Leone	Main	Wilberfree Hill Radio		N.I.	N.I.	Planned[N.I.]	N.I.	N.I.	
	Spain	Main	Bilbao	002240996	43 21N 03 02W	150	Operational	SD	24 hrs	
		Main	Gijon	002240997	43 34N 05 42W	150				
		Main	Las Palmas	002240995	28 08N 15 25W	150				
		Main	Tenerife	002241007	28 29N 16 14W	150				
		Main	Finisterre	001640973	43 48N 08 59W	150				
		Main	Tarifa	002240994	36 01N 05 35W	150				
III	Bulgaria	Main	Varna Radio	002070810	43 04N 27 46E	200	Operational	PS	24 hrs	MRCC Varna
	Cyprus	Main	Cyprus Radio	002091000	35 07N 33 20E	200	Operational	PS	24 hrs	RCC Larnaca RCC Episkopt
	Egypt	Main	Alexandria Radio	006221111	31 11N 29 51E	350	TBD	SD	24 hrs	RCC Cairo
		Main	Port Said Radio	006221113	31 19N 32 18E	350			18 hrs (0600-0000)	
	France	Main	Porquelles(transmission)	002275400	42 59N 06 12E	250	Operational	SD	24 hrs	MRCC La Garde

NAV/MET Area	Country	MF DSC Coast Station							RCC Associated
		Type	Name	MMSI	Position	Range (NM)	Status of implementation [Date of operation]	Purpose (PC/SD/PS)	
Greece	Greece	Main	La Garde (reception)		43 06N 05 59E				
		Main	Limnos Radio ⁽¹⁾		39 52N 25 04E	200	Planned[End 1998]	PS	24 hrs
		Main	Iraklio Radio ⁽¹⁾		35 20N 25 07E	200			
		Main	Kerkyra Radio ⁽¹⁾		39 37N 19 55E	200			
		Main	Piraeus Joint RCC ⁽²⁾	237673000 237673100	37 58N 23 40E	130	Operational	SD	24 hrs
		Main	Kerkyra ⁽²⁾	237673190	39 38N 19 55E	130			
		Main	Patra ⁽²⁾	237673140	38 14N 21 44E	130			
		Main	Pylos ⁽²⁾	237673230	36 54N 21 41E	130			
		Main	Iraklion ⁽²⁾	237673180	35 20N 25 08E	130			
		Main	Rodos ⁽²⁾	237673150	36 27N 28 14E	130			
		Main	Thessaloniki ⁽²⁾	237673210	40 38N 22 56E	130			
		Main	Mytilini ⁽²⁾	237673220	39 06N 26 35E	130			
Italy	Italy	Main	Roma	002470001			Planned [N.I.]	PS	24 hrs
		Monitor	Trieste (M.Radio)		45 36N 13 46E	150			
		Monitor	Ancona (F.Mirto)		43 36N 13 28E	150			
		Monitor	Cagliari (M Rosso)		39 13N 09 14E	150			
		Monitor	Civitavecchia		42 01N 11 49E	150			
		Monitor	Genova (Castellaccio)		44 25N 08 56E	150			
		Main	Palermo	002470002					
		Monitor	Palermo (P.Raisi)		38 11N 13 06E	150			

(1) Greece intends to establish A2 Sea area by these three stations. However, at the moment and until, at least, the establishment of the A2 Sea area, just for reasons of additional safety only but without this to be considered as an establishment of an A2 Sea area, Hellenic Coast Guard keeps 24 hour watch on MF DSC distress frequency (2187.5 kHz), using its own stations, indicated by the footnote (2).

(2) DSC MF stations, owned by Hellenic Coast Guard

NAV/MET Area	Country	MF DSC Coast Station								RCC Associated			
		Type	Name	MMSI	Position	Range (NM)	Status of implementation [Date of operation]	Purpose (PC/SD/PS)	Watch hours on 2187.5kHz				
		Monitor	Mazara delVallo		37 39N 12 36E	150							
		Monitor	Augusta		37 14N 15 14E	150							
		Monitor	Monteparano		40 26N 17 25E	150							
	Malta	Monitor	Malta Radio		35 49N 14 32E	320	Planned[1998]	SD or PS	24 hrs				
	Romania	Main	Constanta	002640570	44 07N 28 35E	100	Opeational	PS	24 hrs	Constanta Hr. Master			
	Spain	Main	Barcelona	002240994	41 16N 01 54E	150	Opeational	SD	24 hrs				
		Main	Valencia	008241002	39 27N 00 20W	150	Planned[1996]	SD	24 hrs				
		Main	Cabo de La Nao	002401005	38 43N 00 09E	150							
		Main	Almeria	001241001	34 50N 08 25W	150				Tarifa			
	Turkey	Main	Antalya	002713000	36 53N 30 42E	146	Planned[12.1998]	PS	24 hrs	Ankara			
		Main	Canakkale	002714000	40 08N 26 24E	146							
		Main	Iskenderun	002715000	36 37N 36 07E	146							
		Main	Istanbul	002711000	40 59N 28 49E	146	Operational						
		Main	Izmir	002716000	38 21N 26 35E	146	Planned[12.1998]						
		Main	Mersin	002717000	36 49N 34 36E	146							
		Main	Samsun	002712000	41 17N 36 20E	146							
		Main	Trabzon	002718000	41 00N 39 43E	146							
		Main	Zonguldak	002719000	41 27N 31 48E	146							
IV	Bermuda(UK)	Main	Bermuda Harbour Radio	003100001	32 23N 64 41W	200	Operational	SD	24hrs	RCC Bermuda			
	Canada						TBD						
	Greenland (Denmark)	Main	Aasiaat	003313000	69 15N 53 31W	280	Operational	SD	24hrs	MRCC Grønnedal			
		Monitor	Upemavik		72 47N 56 10W	280							

NAV/MET Area	Country	MF DSC Coast Station							RCC Associated		
		Type	Name	MMSI	Position	Range (NM)	Status of implementation [Date of operation]	Purpose (PC/SD/PS)			
		Monitor	Sisimiut		66 55N 53 40W	270					
		Main	Nuuk	003312000	64 04N 52 01W	250					
		Monitor	Paamiut		62 00N 49 43W	230					
		Main	Qaqortoq	003311000	60 41N 46 36W	220					
		Monitor	Ikerassassuaq		60 04N 43 10W	220					
		Main	Ammassilik	003314000	65 36N 37 38W	280					
	Mexico	Main	Altamira Tamps	003450100	22 31N 97 53W	500	Operational	PS	24 hrs		
		Main	Tamnico Tamps	003450110	22 15N 97 50W	500					
		Main	Veracruz, Ver.	003450130	19 10N 96 06W	500					
		Main	Progreso Yuc.	003450160	21 16N 89 41W	500	Planned[N.I.]				
	United States	Main	Woods Hole	003669902	41 31N 70 40W		Planned[5. 1997]	SD	24 hrs		
		Monitor	Brant Point		41 18N 70 05W						
		Main	Cape May	003669903	38 57N 74 53W		Planned[4. 1997]				
		Main	Cape Hatteras	003669906	35 14N 75 32W		Planned[6. 1997]				
		Main	Charleston	003669907	32 47N 79 57W		Planned[11. 1997]		Miami		
		Monitor	Sullivans Island		32 46N 79 50W						
		Main	New Orleans	003669908	29 53N 89 57W		Planned[8. 1997]		New Orleans		
		Monitor	Grand Isle		29 15N 89 58W						
		Main	Mobile	003669914	30 39N 88 03W		Planned[12. 1997]				
		Monitor	Santa Rosa		30 19N 87 15W						
		Main	Galveston	003669915	29 20N 94 46W		Planned[1. 1998]				
		Monitor	Freeport		28 56N 95 18W						

NAV/MET Area	Country	MF DSC Coast Station								RCC Associated
		Type	Name	MMSI	Position	Range (NM)	Status of implementation [Date of operation]	Purpose (PC/SD/PS)	Watch hours on 2187.5kHz	
		Main	Corpus Christi	003669916	27 48N 97 24W		Planned[2. 1998]			Miami
		Monitor	Port Isabel		26 04N 97 10W					
		Main	St. Petersburg	003669917	27 46N 82 38W					
		Monitor	Venice		27 06N 82 22W					
		Monitor	Chokoloskee		25 50N 81 23W					
		Monitor	Mullet Key		27 38N 82 44W					
		Main	Key West	003669918	24 33N 81 48W					
		Monitor	Marathon		24 42N 81 05W					
		Main	Miami	003669919	25 54N 80 16W		Planned[3. 1998]			Portsmouth
		Monitor	Islamorada		27 57N 80 37W					
		Monitor	Ft. Pierce		27 26N 80 20W					
		Main	Fort Macon	003669920	34 41N 76 41W					Boston
		Main	Southwest	003669921	44 17N 68 19W					
		Main	Mayport	003669925	30 23N 81 19W		Planned[6. 1998]			Miami
		Main	Boston	003669927	42 22N 71 03W			Planned[7. 1998]		Boston
		Main	South Portland	003669928	43 39N 70 15W					
		Main	Sandy Hook	003669929	40 28N 74 01W			Planned[8. 1998]		Portsmouth
		Main	New York	003669930	40 41N 74 01W					
		Main	New Haven	003669931	41 16N 72 54W			Planned[9. 1998]		Boston
		Main	Chincoteague	003669932	37 56N 75 23W					
		Main	Hampton Roads	003669933	36 53N 76 21W			Planned[10. 1998]		
		Main	Portland	003669934	43 40N 70 15W					

NAV/MET Area	Country	MF DSC Coast Station								RCC Associated		
		Type	Name	MMSI	Position	Range (NM)	Status of implementation [Date of operation]	Purpose (PC/SD/PS)	Watch hours on 2187.5kHz			
		Main	Moriches	003669936	40 47N 72 45W		Planned[11. 1998]					
		Monitor	Shinnecock		40 51N 72 30W							
		Main	Boston	003669991	41 39N 70 30W		Operational					
		Main	Portsmouth	003669995	36 44N 76 01W		Portsmouth					
		Main	Miami	003669997	25 37N 80 23W		Miami					
		Main	San Juan	003669992	18 28N 66 07W		Planned[9. 1997]			San Juan		
		Main	New Orleans	003669998	29 53N 89 57W		Planned[8. 1997]			New Orleans		
V	Uruguay	Main	Montevideo Radio		34 52S 56 19W	N.I.	Planned[N.I.]	N.I.	N.I.	Port of Montevideo		
		Main	La Paloma Radio		34 39S 54 08W	N.I.						
VI	Argentina	Main	Argentina Radio	007010111	34 36S 58 28W	200	Operational	PS	24 hrs	Buenos Aires		
		Main	Buenos Aires Radio	007010001	34 27S 58 37W	150	Planned[N.I.]	N.I.	24 hrs	Puerto Belgrano		
		Main	Recalada Río de la Plata Radio	007010002	35 10S 56 19W	150						
		Main	Mar del Plata Radio	007010221	38 03S 57 32W	150	Operational	SD				
		Main	Bahía Blanca Radio	007010005	38 43S 62 06W	150	Planned[N.I.]	N.I.	Ushuaia			
		Main	Patagones Radio	007010006	40 48S 62 59W	150						
		Main	Rawson Radio	007010007	43 20S 65 03W	150						
		Main	Comodoro Rivadavia Radio	007010008	45 51S 67 25W	150						
		Main	Puerto Deseado Radio	007010009	47 46S 65 54W	150						
		Main	Río Gallegos Radio	007010010	51 37S 69 03W	150						
		Main	Ushuaia Radio	007010011	54 48S 68 18W	150						
		Main	I.Orcadas Radio	N.I.	60 45S 44 44W	150						
VII	Angola	Main	Luanda Radio		N.I.	N.I.	Planned[N.I.]	N.I.	N.I.			

NAV/MET Area	Country	MF DSC Coast Station								RCC Associated
		Type	Name	MMSI	Position	Range (NM)	Status of implementation [Date of operation]	Purpose (PC/SD/PS)	Watch hours on 2187.5kHz	
	Comoros	Main	Moroni Radio		N.I.	N.I.	Planned[N.I.]	N.I.	N.I.	
	Madagascar	Main	Toamasina Radio		N.I.	N.I.	Planned[N.I.]	N.I.	N.I.	
		Main	Mahajanga Radio		N.I.	N.I.				
		Main	Toliara Radio		N.I.	N.I.				
	Mozambique	Main	Maputo Radio		N.I.	N.I.	Planned[N.I.]	N.I.	N.I.	
	South Africa		N.I.		N.I.	N.I.	Planned[N.I.]	N.I.	N.I.	
VIII	Kenya	Main	Mombasa Radio		N.I.	N.I.	Planned[N.I.]	N.I.	N.I.	
	Mauritius	Main	Mauritius Radio		N.I.	N.I.	Planned[N.I.]	N.I.	N.I.	
	Myanmar				TBD					
	Seychelles	Main	Seychelles Radio		N.I.	N.I.	Planned[N.I.]	N.I.	N.I.	
	Tanzania	Main	Dar es Salaam Radio		N.I.	N.I.	Planned[N.I.]	N.I.	N.I.	
IX	Djibouti	Main	Djibouti Radio		N.I.	N.I.	Planned[N.I.]	N.I.	N.I.	
	Egypt	Main	Kosseir Radio	006221112	26 07N 34 17E	350	TBD	SD	18 hrs (0600-0000)	RCC Cairo
	Jordan	Main	Aqaba Radio	004381234	29 33N 34 59E	350	Planned[N.I.]	PS	24 hrs	
	Oman	Main	Muscat Radio		23 36N 58 30E	100	Planned[N.I.]	PS	N.I.	HQ Royal Air Force of Sultanate of Oman
	Saudi Arabia	Main	Damman Radio		26 26N 50 06E	N.I.	Planned[N.I.]	N.I.	N.I.	
		Main	Jeddah Radio		21 23N 39 10E	N.I.				
	Sudan	Main	Port Sudan Radio		N.I.	N.I.	Planned[N.I.]	N.I.	N.I.	
	United Arab Emirates	N.I.	N.I.		N.I.	N.I.	Planned[End 1995]	N.I.	N.I.	
X	Australia**	Main	Perth Radio	005030331	31 48S 115 53E	100	Operational	SD	24 hrs	RCC Australia
		Main	Brisbane Radio	005030330	27 04S 153 03E	100	Operational	SD	24 hrs	
XI	China	Main	Basuo Radio	004123600	19 06N 108 37E	100	Planned[End 1998]	PS	24 hrs	Basuo HSA

NAV/MET Area	Country	MF DSC Coast Station							RCC Associated	
		Type	Name	MMSI	Position	Range (NM)	Status of implementation [Date of operation]	Purpose (PC/SD/PS)		
		Main	Beihai Radio	004123400	21 29N 109 04E	100			Beihai HSA	
		Main	Dalian Radio	004121300	38 50N 121 31E	100			Liaoning MRCC	
		Main	Fuzhou Radio	004122600	26 01N 119 18E	100			Fujian MRCC	
		Main	Guangzhou Radio	004123100	23 08N 113 29E	100			Guangdong MRCC	
		Main	Lianyungang Radio	004122300	34 42N 119 18E	100			Lianyungang MRCC	
		Main	Ningbo Radio	004122400	30 01N 121 30E	100			Ningbo HSA	
		Main	Qingdao Radio	004122200	36 10N 120 28E	100			Qingdao MRSC	
		Main	Sanya Radio	004123700	18 14N 109 30E	100			Sanya HSA	
		Main	Shantou Radio	004123200	23 21N 116 40E	100			Shantou MRSC	
		Main	Tianjin Radio	004121100	39 03N 117 25E	100			Tianjin MRCC	
		Main	Xiamen Radio	004122700	24 35N 118 06E	100			Xiamen MRSC	
		Main	Wenzhou Radio	004122500	28 02N 120 39E	100			Wenzhou HSA	
		Main	Yantai Radio	004121400	37 32N 121 22E	100			Yantai MRSC	
		Main	Zhanjiang Radio	004123300	21 09N 110 21E	100			Zhanjiang RSC	
	Guam (US)	Main	Guam	003669994	13 29N 144 50E		Planned[5. 1997]	SD	24 hrs	Honolulu
	Indonesia	N.I.	Ambon		03 41S 128 10E	N.I.	Planned[N.I.]	PS	N.I.	MRSC Ambon
		N.I.	Atapupu		09 01S 124 51E	N.I.				MRSC Kupan
		N.I.	Balikpapan		01 16S 116 48E	N.I.				MRSC Balikpapan
		N.I.	Banabungi		05 30S 122 50E	N.I.				MRSC Ujungpandang
		N.I.	Banjarmasin		03 20S 114 35E	N.I.				MRSC Banjarmasin
		N.I.	Batu Ampar		01 09N 104 04E	N.I.				MRSC Tanjungpinang
		N.I.	Bawean		05 51N 112 39E	N.I.				MRCC Surabaya

NAV/MET Area	Country	MF DSC Coast Station							RCC Associated
		Type	Name	MMSI	Position	Range (NM)	Status of implementation [Date of operation]	Purpose (PC/SD/PS)	
		N.I.	Belawan		03 43N 98 40E	N.I.	Planned[N.I.]	PS	N.I.
		N.I.	Bengkulu		03 55N 102 16E	N.I.			
		N.I.	Benoa		08 44S 115 12E	N.I.			
		N.I.	Biak		01 11S 136 05E	N.I.			
		N.I.	Bima		08 27S 118 43E	N.I.			
		N.I.	Bintuni		02 07S 133 30E	N.I.			
		N.I.	Bitung		01 26N 125 10E	N.I.			
		N.I.	Celukan Bawang		08 11S 114 49E	N.I.			
		N.I.	Cigading		06 30S 105 57E	N.I.			
		N.I.	Cilacap		07 45S 109 02E	N.I.			
		N.I.	Cirebon		06 45S 108 33E	N.I.			
		N.I.	Dabo Singkep		00 30S 104 34E	N.I.			
		N.I.	Dilli		08 33S 125 34E	N.I.			
		N.I.	Donggala		00 39S 119 44E	N.I.			
		N.I.	Dumai		01 41N 101 27E	N.I.			
		N.I.	Ende		08 50S 121 38E	N.I.			
		N.I.	Fak-Fak		01 57S 131 17E	N.I.			
		N.I.	GN. Sitoli		01 19N 97 36E	N.I.			
		N.I.	Gorontalo		00 29N 123 03E	N.I.			
		N.I.	Gresik		01 09S 112 39E	N.I.			
		N.I.	Jakarta		06 07S 106 51E	N.I.			
		N.I.	Jambi		01 01S 104 08E	N.I.			

NAV/MET Area	Country	MF DSC Coast Station							RCC Associated
		Type	Name	MMSI	Position	Range (NM)	Status of implementation [Date of operation]	Purpose (PC/SD/PS)	
		N.I.	Jayapura		02 30S 140 43E	N.I.	Planned[N.I.]	PS	N.I.
		N.I.	Kaimana		03 40S 135 45E	N.I.			
		N.I.	Kalabahi		08 03S 124 30E	N.I.			
		N.I.	Kalianget		07 04S 113 58E	N.I.			
		N.I.	Kendari		03 55S 122 25E	N.I.			
		N.I.	Kupang		10 09S 123 34E	N.I.			
		N.I.	Lahewa		01 24N 97 09E	N.I.			
		N.I.	Larantuka		08 20S 122 59E	N.I.			
		N.I.	Lembar		08 43S 116 04E	N.I.			
		N.I.	Luwuk		00 56S 122 47E	N.I.			
		N.I.	Makassar		05 06S 119 25E	N.I.			
		N.I.	Manokwari		00 48S 134 00E	N.I.			
		N.I.	Masalembu		05 34S 114 27E	N.I.			
		N.I.	Maumere		08 59S 122 13E	N.I.			
		N.I.	Menado		01 20N 129 50E	N.I.			
		N.I.	Meneng		08 07S 114 23E	N.I.			
		N.I.	Merauke		08 28S 110 23E	N.I.			
		N.I.	Padang Bai		08 32S 115 30E	N.I.			
		N.I.	Palembang		02 50S 104 46E	N.I.			
		N.I.	Panarukan		07 14S 113 56E	N.I.			
		N.I.	Pangkal Balam		02 10S 106 07E	N.I.			
		N.I.	Panjang		05 28S 105 19E	N.I.			

NAV/MET Area	Country	MF DSC Coast Station							RCC Associated
		Type	Name	MMSI	Position	Range (NM)	Status of implementation [Date of operation]	Purpose (PC/SD/PS)	
		N.I.	Parigi		00 48S 120 09E	N.I.	Planned[N.I.]	PS	N.I.
		N.I.	Pontianak		00 01S 109 18E	N.I.			
		N.I.	Poso		01 22S 120 45E	N.I.			
		N.I.	Probolinggo		07 23S 113 13E	N.I.			
		N.I.	Pulang Pisau		02 45S 114 15E	N.I.			
		N.I.	Pulau Sambu		01 09S 103 53E	N.I.			
		N.I.	Rengat		00 28S 102 41E	N.I.			
		N.I.	Sabang		05 54N 95 21E	N.I.			
		N.I.	Samarinda		00 30S 117 09E	N.I.			
		N.I.	Sampit		02 33S 112 57E	N.I.			
		N.I.	Sanana		02 03S 125 59E	N.I.			
		N.I.	Selat Panjang		01 01N 102 43E	N.I.			
		N.I.	Semarang		06 56N 110 25E	N.I.			
		N.I.	Serui		01 53S 136 14E	N.I.			
		N.I.	Siau		02 44N 125 23E	N.I.			
		N.I.	Sibolga		01 44N 98 46E	N.I.			
		N.I.	Sintete		01 10N 109 04E	N.I.			
		N.I.	Sorong		00 53S 131 00E	N.I.			
		N.I.	Sunda Kelapa		N.I.	N.I.			
		N.I.	Surabaya		07 12S 112 44E	N.I.			
		N.I.	Tahuna		03 36N 125 30E	N.I.			
		N.I.	Tarakan		03 17N 117 35E	N.I.			

NAV/MET Area	Country	MF DSC Coast Station							RCC Associated	
		Type	Name	MMSI	Position	Range (NM)	Status of implementation [Date of operation]	Purpose (PC/SD/PS)		
		N.I.	Tegal		06 51S 109 08E	N.I.			MRCC Jakarta	
		N.I.	Teluk Bayur		01 00S 100 21E	N.I.			MRSC Padang	
		N.I.	Teluk Dalam		00 35N 97 49E	N.I.			MRSC Padang	
		N.I.	Tembilahan		00 19S 103 09E	N.I.			MRSC Tanjungpinang	
		N.I.	Ternate		00 47N 127 22E	N.I.			MRSC Ambon	
		N.I.	TG BL Karimun		00 56N 103 26E	N.I.			MRSC Tanjungpinang	
		N.I.	TG. Pinang		00 55N 104 26E	N.I.			MRSC Tanjungpinang	
		N.I.	TG. Uban		01 03N 104 13E	N.I.			MRSC Tanjungpinang	
		N.I.	Toli-Toli		01 03N 120 48E	N.I.			MRSC Menado	
		N.I.	Tual		05 20S 132 40E	N.I.			MRSC Ambon	
		N.I.	Olee Lheue		05 34S 95 17E	N.I.			MRSC Menado	
		N.I.	Waingapu		09 40S 120 15E	N.I.			MRSC Kupang	
	Japan	Main	Otaru Sea Patrol Radio	004310101	-	-	Operational	SD	24 hrs	Otaru RCC
		Monitor	Shakotan		43 20N 140 32E	150				
		Monitor	Hakodateyama		41 45N 140 43E	150				
		Main	Kushiro Sea Patrol Radio	004310102	-	-	Operational	SD	24 hrs	Otaru RCC
		Monitor	Tokotan		43 00N 144 53E	150				
		Monitor	Souyamisaki		45 31N 141 56E	150				
		Monitor	Nemuro		43 21N 145 35E	100				
		Monitor	Monbetsu		44 21N 143 22E	150				
		Main	Shiogama Sea Patrol Radio	004310201	-	-	Operational	SD	24 hrs	Shiogama RCC
		Monitor	Komagamine		38 18N 141 32E	150				

NAV/MET Area	Country	MF DSC Coast Station								RCC Associated
		Type	Name	MMSI	Position	Range (NM)	Status of implementation [Date of operation]	Purpose (PC/SD/PS)	Watch hours on 2187.5kHz	
		Monitor	Same		40 29N 141 37E	150				
		Monitor	Kamaishi		39 16N 141 54E	150				
		Monitor	Nyudozaki		40 00N 139 42E	150				
		Main	Yokohama Sea Patrol Radio	004310301	-	-		Operational	SD	24 hrs
		Monitor	Chikura		34 56N 139 56E	150				
		Monitor	Choshi		35 44N 140 52E	150				
		Monitor	Shimoda		34 40N 138 57E	150				
		Main	Nagoya Sea Patrol Radio	004310401	-	-		Operational	SD	24 hrs
		Monitor	Asamagatake		34 27N 136 49E	150				
		Main	Tanabe Sea Patrol Radio	004310502	33 43N 135 24E	150	Operational	SD	24 hrs	Kobe RCC
		Main	Kochi Sea Patrol Radio	004310503	-	-		Operational	SD	24 hrs
		Monitor	Tosayama		33 36N 133 32E	150				
		Main	Kobe Sea Patrol Radio	004310501	-	-		Operational	SD	24 hrs
		Monitor	Senzan		34 22N 134 50E	60				
		Main	Hiroshima Sea Patrol Radio	004310601	-	-		Operational	SD	24 hrs
		Monitor	Noro		34 15N 132 40E	60				
		Main	Moji Sea Patrol Radio	004310701	-	-		Operational	SD	24 hrs
		Monitor	Yukawayama		33 52N 130 33E	150				
		Monitor	Wakayama		33 11N 131 44E	60				
		Monitor	Mokkoku		34 08N 129 12E	150				
		Main	Sasebo Sea Patrol Radio	004310702	-	-		Operational	SD	24 hrs
		Monitor	Ishimoriyama		33 14N 129 44E	150				

NAV/MET Area	Country	MF DSC Coast Station								RCC Associated
		Type	Name	MMSI	Position	Range (NM)	Status of implementation [Date of operation]	Purpose (PC/SD/PS)	Watch hours on 2187.5kHz	
		Main	Maizuru Sea Patrol Radio	004310801	-	-	Operational	SD	24 hrs	Maizuru RCC
		Monitor	Sorayama		35 33N 135 25E	150				
		Monitor	Nawa		35 31N 133 32E	150				
		Main	Niigata Sea Patrol Radio	004310901	-	-	Operational	SD	24 hrs	Niigata RCC
		Monitor	Nekogatake		37 28N 137 08E	150				
		Monitor	Shidaihama		38 00N 139 17E	150				
		Main	Kagoshima Sea Patrol Radio	004311001	-	-	Operational	SD	24 hrs	Kagoshima RCC
		Monitor	Yoko-o		31 19N 130 49E	150				
		Monitor	Aburatsu		31 35N 131 25E	150				
		Monitor	Naze		28 23N 129 30E	100				
		Main	Naha Sea Patrol Radio	004311101	26 09N 127 46E	150	Operational	SD	24 hrs	Naha RCC
		Main	Ishigaki Sea Patrol Radio	004311102	-	-	Operational	SD	24 hrs	Naha RCC
		Monitor	Miyara		24 21N 124 12E	150				
	Korea, Republic of	Main	Inchon National Maritime Police Agency	004401001	37 45N 126 36E	120	Operational	SD	24 hrs	Inchon RCC
		Main	Busan National Maritime Police Agency		35 07N 129 05E	120	Planned[10. 1997]	SD	24 hrs	Busan RCC
		Main	Donghae National Maritime Police Agency	004401002	37 31N 129 07E	120	Operational	SD	24 hrs	Donghae RCC
		Main	Mokpo National Maritime Police Agency		34 47N 126 24E	120	Planned[10. 1997]	SD	24 hrs	Mokpo RCC
		Main	Cheju National Maritime Police Agency		33 31N 126 32E	120		SD	24 hrs	Cheju RCC
Singapore	Main	Singapore Radio (Jurong Radio)		01 16N 103 51E	200	Oparational	SD	24 hrs		
Thailand	Main	Bangkok Radio	005671000	13 23N 100 38E	162	Planned[N.I.]	PS	24 hrs	Bangkok	

NAV/MET Area	Country	MF DSC Coast Station								RCC Associated		
		Type	Name	MMSI	Position	Range (NM)	Status of implementation [Date of operation]	Purpose (PC/SD/PS)	Watch hours on 2187.5kHz			
XII	Vietnam	Main	Ho Chi Minh-Ville Radio	005741994	10 47N 106 40E	100	Planned[1996]	PS	24 hrs	Saigon port Authority		
		Main	Haiphong Radio	005741997	20 44N 106 44E	100				Haiphong port Authority		
		Main	Danang Radio	005741998	16 05N 108 13E	100				Danang port Authority		
		Main	Nhatrang Radio	005742001	12 15N 109 12E	100				Nhatrang port Authority		
		Main	Vungtau Radio	005742004	10 19N 107 04E	100				Vungtau port Authority		
	Associate Member of IMO Hong Kong, China	Main	Hong Kong Maritime Rescue Radio Cape D'aguilar	004773500	22 12N 114 15E	200	Operational	SD	24 hrs	Hong Kong MRCC		
		Main	Mt. Butler		22 16N 114 12E	200						
XII	Canada	TBD										
	Mexico	Main	San Jose de los Cabos, B.C.S.	003450300	21 53N 109 55W	500	Planned[N.I.]	PS	24 hrr			
		Main	Mazanillo Col.	003450230	19 03N 104 15W	500						
	United States	Main	Port Angeles	003669904	48 08N 123 24W		Planned[5. 1997]	SD	24 hrs	Seattle		
		Monitor	Quillayute		47 54N 124 38W							
		Main	Honolulu	003669905	21 18N 157 52W		Planned[11. 1997]			Honolulu		
		Monitor	Lualuae		21 16N 158 09W							
		Main	Humboldt Bay	003669909	40 46N 124 03W		Planned[9. 1997]			Alameda		
		Monitor	Point Arena		38 57N 123 44W							
		Main	Monterey	003669910	36 40N 121 55W		Planned[10. 1997]					
		Monitor	Point Pinos		36 38N 121 56W							
		Main	North Bend	003669911	43 25N 124 14W		Planned[11. 1997]	SD	24 hrs	Seattle		
		Monitor	Cape Arago		43 20N 124 22W							
		Main	Long Beach	003669912	33 47N 118 13W					Alameda		
		Monitor	Point Conception		34 27N 120 28W							

NAV/MET Area	Country	MF DSC Coast Station								RCC Associated			
		Type	Name	MMSI	Position	Range (NM)	Status of implementation [Date of operation]	Purpose (PC/SD/PS)	Watch hours on 2187.5kHz				
		Main	San Diego	003669913	32 44N 117 10W		Planned[12. 1997]						
		Monitor	San Clemente		32 53N 118 27W								
		Main	Juneau	003669922	58 18N 134 25W		Planned[5. 1998]			Juneau			
		Monitor	Lena Point		58 23N 134 45W								
		Monitor	Yakutat		59 33N 139 44W								
		Main	Ketchikan	003669923	55 54N 131 50W		Planned[4. 1998]						
		Monitor	Pt. Higgins		55 54N 131 50W								
		Main	Valdez	003669924	61 08N 145 21W		Planned[5. 1998]						
		Monitor	Cape Hinchinbrook		60 14N 146 38W								
		Monitor	Cape Yakataga		60 04N 142 25W								
		Main	San Francisco	003669926	37 38N 122 23W		Planned[6. 1998]			Alameda			
		Main	Astoria	003669935	46 12N 123 57W		Planned[11. 1998]			Seattle			
		Monitor	Ft. Stevens		46 12N 123 57W								
		Main	San Francisco	003669990	37 56N 122 44W		Planned[4. 1998]			Alameda			
		Main	Kodiak	003669899	57 46N 152 34W		Planned[8. 1998]			Juneau			
		Main	Honolulu	003669993	21 26N 158 09W		Planned[4. 1998]			Honolulu			
XIII		NONE											
XIV		NONE											
XV	Chile	Main	Arica	007250010	18 29S 70 19W	180	Operational	SD	24 hrs	MRCC Iquique			
		Main	Iquique	007250020	20 21S 70 25W	180		SD					
		Main	Antofagasta	007250050	23 40S 70 25W	180	Planned	SD		MRCC Valparaiso			
		Main	Caldera	007250080	27 04S 70 42W	180		SD					

NAV/MET Area	Country	MF DSC Coast Station								RCC Associated
		Type	Name	MMSI	Position	Range (NM)	Status of implementation [Date of operation]	Purpose (PC/SD/PS)	Watch hours on 2187.5kHz	
		Main	Isla de Pascua	007250100	27 11S 109 25W	180	Operational	SD		MRCC Talcahuano
		Main	Coquimbo	007250110	29 56S 71 13W	180		SD		
		Main	Juan Fernandez	007250130	33 37S 78 50W	180		SD		
		Main	Valparaiso	007251860	33 01S 71 39W	250	Operational	SD		
		Main	San Antonio	007250140	33 34S 71 37W	180		SD		
		Main	Talcahuano	007250170	36 42S 73 06W	180		SD		
		Main	Valdivia	007250220	39 48S 73 15W	120		SD		
		Main	Puerto Montt	007250230	41 47S 73 53W	180	Planned	SD		
		Main	Castro	007250250	42 29S 73 46W	120		SD		
		Main	Isla Gualfo	007250290	43 34S 74 50W	180		SD		
		Main	Aysen	007250300	45 24S 72 42W	80		SD		
		Main	Raper	007250310	46 49S 75 37W	180		SD		
		Main	San Pedro	007250320	47 43S 74 53W	180		SD		
		Main	Puerto Eden	007250330	49 38S 74 26W	80		SD		
		Main	Puerto Natales	007250340	51 45S 72 32W	120	Operational	SD		MRCC Punta Arenas
		Main	Evangelistas	007250350	52 24S 75 06W	180		SD		
		Main	Bahia Felix	007250370	52 58S 74 04W	120		SD		
		Main	Punta Arenas	007250380	53 10S 70 54W	180		SD		
		Main	Punta Delgada	007250390	52 28S 69 33W	120		SD		
		Main	Dungenes	007250400	52 24S 68 26W	180	Planned	SD		
		Main	Puerto Williams	007250420	54 56S 67 37W	120		SD		
		Main	Wollaston	007250430	55 37S 68 18W	180		SD		
		Main						SD		

NAV/MET Area	Country	MF DSC Coast Station								RCC Associated
		Type	Name	MMSI	Position	Range (NM)	Status of implementation [Date of operation]	Purpose (PC/SD/PS)	Watch hours on 2187.5kHz	
		Main	Diego Ramirez	007250440	56 31S 68 43W	180		SD		
		Main	Bahia Fildes(Antarctica)	007250450	62 13S 58 49W	180		SD		
		Main	Base A.Prat(Antarctica)	007250460	62 29S 59 32W	180		SD		
XVI	Peru	Main	Paita	007600121	05 05S 81 07W	200	Operational	SD	24 hrs	Paita
		Main	Callao	007600125	12 03S 77 07W	200	On trial[1997]			Callao
		Main	Mollendo	007500129	17 01S 72 01W	200	TBD			Mollendo

** Australia has not declared A2 areas formally, however it maintains the watchkeeping on MF DSC at coast stations mentioned.

PC - Public Correspondence
 SD - Safety and Distress
 PS - Public Correspondence & Safety and Distress

ANNEX 4

LIST OF HF DSC COAST STATIONS FOR SEA AREAS A3 AND A4

NAV/MET Area	Country	HF DSC Coast Station							RCC Associated
		Name	MMSI	Position	Status of implementation [Date of operation]	Purpose (PC/SD/PS)	Frequency Band*	Watch hours	
I	Denmark	Lyngby Radio	002191000	55 50N 11 25E	Operational	SD	4,6,8,12,16 MHz	24 hrs	SOK, Aarhus
	Estonia	Tallinn	002760100	59 27N 24 40E	Operational	N.I.	4,6,8,12,16 MHz	24 hrs	MRCC Tallinn
	Iceland	Reykjavik Radio		64 05N 21 51W	Planned[N.I.]	N.I.	4,6,8,12,16 MHz	N.I.	
	Poland	Szczecin Radio		53 28N 14 35E	Planned[N.I.]	N.I.	8,12,16 MHz	24 hrs	Polratok Gdynia Polratok Swinoujscie
	Russian Federation				TBD				
II	Cape Verde	Sao Vicente Radio		N.I.	Planned[N.I.]	N.I.	N.I.	N.I.	
	Congo	Pointe Noire Radio		N.I.	Planned[N.I.]	N.I.	N.I.	N.I.	
	Côte Divoire	Abidjan Radio		N.I.	Planned[N.I.]	N.I.	N.I.	N.I.	
	Ghana	Tema Radio		05 37N 00 00W	Planned[N.I.]	N.I.	4,8 MHz	N.I.	Harbour Master Accra
	Liberia	Monrovia Radio		N.I.	Planned[N.I.]	N.I.	N.I.	N.I.	
	Portugal	Delgada	002040100	37 44N 25 40W	Planned[N.I.]	SD	4,6,8 MHz	24 hrs	MRCC Delgada RCC Lages
		Horta Radio	002040200	38 38N 28 32W					
	Senegal	Dakar Radio		N.I.	Planned[N.I.]	N.I.	N.I.	N.I.	
	Sierra Leone	Wiberfree Hill Radio		N.I.	Planned[N.I.]	N.I.	N.I.	N.I.	
	Spain	Gijon	002240997	43 34N 05 42W	Operational	SD		24 hrs	
		Finisterre	002240993	42 42N 03 59W	Operational				
		Las Palmas	002240995	22 29N 15 25W	Operational				

NAV/MET Area	Country	HF DSC Coast Station							RCC Associated
		Name	MMSI	Position	Status of implementation [Date of operation]	Purpose (PC/SD/PS)	Frequency Band*	Watch hours	
III	Cyprus	Cyprus Radio	002091000	35 03N 33 17E	Operational	PS	4,8,16 MHz	24 hrs	RCC Larnaca RCC Episkopi
	Egypt	Alex. Radio	006221111	31 12N 29 52E	TBD	SD		24 hrs	RCC Cairo
		Port Said Radio	006221113	31 19N 32 18E				18 hrs (0600-0000)	
	Greece	Athinai Radio		37 36N 21 29E(Tx) 37 59N 21 18E(Rx)	Planned[End 1998]	PS	4,6,8,12,16 MHz	24 hrs	Piraeus Joint RCC 37 58N 23 40E
		Piraeus Joint RCC ⁽¹⁾	237673000 237673100	37 58N 23 40E	Operational	SD	4,6,8,12,16 MHz	24 hrs	
	Italy				TBD				
	Malta	Malta Radio		35 49N 14 32E	Planned[1998]	PC			
	Spain	Barcelona	002240991	41 20N 02 09E	Operational	SD		24 hrs	
	Turkey	Istanbul	002711000	40 59N 28 49E	Operational	PS	4,6,8,12,16 MHz	24 hrs	Ankara
IV	Canada	Iqaluit	003160023	63 44N 68 33W	Planned [2.1999]	PS	4,6,8,12,16 MHz	24 hrs	RCC Trenton
		Resolute (Remote Receive only)		74 45N 94 58W					
	Mexico	N.I.		N.I.	Planned[N.I.]	PS	4,6,8,12,16 MHz	24 hrs	
	United States	Boston	003669991	41 42N 70 30W	Operational	SD	4,6,8,12,16 MHz	24 hrs	Boston
		Portsmouth	003669996	36 44N 76 01W	Operational				Portsmouth
		Miami	003669997	25 37N 80 23W	Operational				Miami
		San Juan	003669992	18 28N 66 07W	Planned[9.1997]				San Juan
		New Orleans	003669994	29 53N 89 57W	Operational				New Orleans
V	Uruguay	Montevideo		N.I.	Planned[N.I.]	N.I.	N.I.	N.I.	Montevideo
VI	Argentina	Argentina Radio	007010111	34 36S 58 28W	Operational	PS	4,6,8,12,16 MHz	24 hrs	RCC Buenos Aires

(1) At the moment and until, at least, the HF installation of the Athinai Radio becomes fully operational, and just for reasons of additional safety only, Hellenic Coast Guard keeps 24 hours watch on all HF DSC frequencies, using Piraeus Joint RCC station.

NAV/MET Area	Country	HF DSC Coast Station							RCC Associated
		Name	MMSI	Position	Status of implementation [Date of operation]	Purpose (PC/SD/PS)	Frequency Band*	Watch hours	
		Mar del Plata	007010003	38 03S 57 15W	Planned[N.I.]	N.I.	4,6,8,12,16 MHz	N.I.	Puerto Belgrano
		Rio Gallegos	007010010	51 37S 65 03W	Planned[N.I.]	N.I.	4,6,8,12,16 MHz	N.I.	Ushuaia
VII	Angola	Luanda Radio		N.I.	Planned[N.I.]	N.I.	N.I.		
	Mauritius	Mauritius Radio		N.I.	Planned[N.I.]	N.I.	N.I.		
	Mozambique	Maputo Radio		N.I.	Planned[N.I.]	N.I.	N.I.		
	South Africa	Cape Town Radio	006010001	33 40S 18 43N	Operational	SD	4,6,8,12,16 MHz	24 hrs	MRCC Cape Town
VIII	India	Bombay Radio		N.I.	Planned[N.I.]	N.I.	4,6,8,12,16 MHz	N.I.	Bombay
		Madras Radio		N.I.	Planned[N.I.]	N.I.	4,6,8,12,16 MHz	N.I.	Cochin
	Myanmar				TBD				
	Seychelles	Seychelles Radio		N.I.	Planned[N.I.]	N.I.	N.I.		
	Tanzania	Dar es Salaam Radio		N.I.	Planned[N.I.]	N.I.	N.I.		
IX	Egypt	Kosseir Radio	006221112	26 07N 34 17E	TBD	SD		18 hrs (0600-0000)	RCC Cairo
	Jordan	Aqaba Radio		29 33N 34 59E	Planned[N.I.]	PS	4,8,12,16 MHz	N.I.	
	Oman	Muscat Radio		23 36N 58 30E	Planned[N.I.]	PS	4 MHz	0400-0500 UTC 1500-1700 UTC	HQ Royal Air Force of Sultanate of Oman
							8 MHz	0500-0700 UTC 1300-1500 UTC	
							12 MHz	0700-0900 UTC 1100-1300 UTC	
							16 MHz	0900-1100 UTC	
	Saudi Arabia	Damman Radio		26 26N 50 06E	Planned[N.I.]	N.I.	4,6,8,12,16MHz	N.I.	
	Sudan	Port Sudan Radio		N.I.	Planned[N.I.]	N.I.	N.I.	N.I.	
	United Arab Emirates	N.I.		N.I.	Planned[End of 1995]	N.I.	4,6,8,12,16MHz	N.I.	

NAV/MET Area	Country	HF DSC Coast Station							RCC Associated	
		Name	MMSI	Position	Status of implementation [Date of operation]	Purpose (PC/SD/PS)	Frequency Band*	Watch hours		
X	Australia	Perth Radio	005030331	31 48S 115 53E	Operational	SD	4,6,8,12,16MHz	24 hrs	RCC Australia	
		Brisbane	005030330	27 04S 153 03E	Operational		4,6,8,12,16MHz	24 hrs		
XI	China	Shanghai Radio	004122100	31 06N 121 32E	Planned[End 1998]	PS	4,6,8,12,16 MHz	24 hrs	Shanghai MRCC	
	Indonesia	Ambon		N.I.	Planned[N.I.]		N.I.	N.I.	RCC III	
		Balikpapan							RCC II	
		Bahjarmasin							RCC II	
		Belawan							RCC I	
		Bitung							RCC III	
		Dumai							RCC I	
		Jakarta							RCC I	
		Jayapura							RCC IV	
		Kupang							RCC III	
		Makassar							RCC III	
		Semarang							RCC II	
		Sorong							RCC IV	
		Surabaya							RCC II	
	Japan	Tokyo Sea Patrol Radio	004310001	35 40N 139 45E	Operational	SD	4,6,8,12,16 MHz	24 hrs	Otaru MRCC Shiogama MRCC Yokohama MRCC Nagoya MRCC Kobe MRCC Hiroshima MRCC Kitakyushu MRCC Maizuru MRCC Niigata MRCC Kagoshima MRCC Naha MRCC	

NAV/MET Area	Country	HF DSC Coast Station							RCC Associated
		Name	MMSI	Position	Status of implementation [Date of operation]	Purpose (PC/SD/PS)	Frequency Band*	Watch hours	
Korea, Republic of		Inchon National Maritime Police Agency	004401001	37 45N 126 36E	Operational	PS	4,6 MHz	24 hrs	Inchon RCC
		Busan National Maritime Police Agency		35 07N 129 05E	Planned[10.1997]				Busan RCC
		Donghae National Maritime Police Agency	004401002	37 31N 129 07E	Operational				Donghae RCC
		Mokpo National Maritime Police Agency		34 47N 126 24E	Planned[10.1997]				Mokpo RCC
		Cheju National Maritime Police Agency		33 31N 126 32E	Planned[10.1997]				Cheju RCC
Thailand	Bangkok Radio	005671000	13 23N 100 38E	Planned[N.I.]	PS	6,8 MHz	24 hrs	Bangkok	
	Vietnam	Ho Chi Minh Ville Radio	005741994	10 47N 106 40E	Planned[1996]	PS	6 MHz	24 hrs	Saigon Port Authority
		Haiphong Radio	005741997	20 44N 106 44E		PS	8 MHz	24 hrs	Haiphong Port Authority
		Danang Radio	005741998	16 05N 108 13E		PS	4 MHz	24 hrs	Danang Port Authority
XII	Associate Member of IMO Hong Kong, China	Hong Kong Maritime Rescue Radio	004773500	22 12N 114 15E	Operational	SD	4,6,8,12,16 MHz	24 hrs	Hong Kong MRCC
	United States	San Francisco	003669990	37 56N 122 44E	Planned[1998]	SD	4,6,8,12,16 MHz	24 hrs	Alameda
		Kodiak	003669899	57 46N 152 34E	Planned[1998]				
		Honolulu	003669993	21 26N 158 09E	Planned[1998]				
XIII	NONE								
XIV	New Zealand	Taupo Maritime Radio		N.I.	Planned[1996]	SD	4,6,8,12,16 MHz	24 hrs.	Lower hutt

NAV/MET Area	Country	HF DSC Coast Station							RCC Associated
		Name	MMSI	Position	Status of implementation [Date of operation]	Purpose (PC/SD/PS)	Frequency Band*	Watch hours	
XV	Chile	Antofagasta	007250050	23 40S 70 25W	Operational	SD	4 MHz	24 hrs	MRCC Iquique
		Isla de Pascua	007250100	27 11S 109 25W			4 MHz		MRCC Valparaiso
		Valparaiso	007251860	33 01S 71 39W		PS	4,6,8,12,16 MHz		MRCC Talcahuano
		Talcahuano	007250170	36 42S 73 06W		SD	4 MHz		MRCC Puerto Montt
		Puerto Montt	007250230	41 47S 73 53W			4 MHz		MRCC Punta Arenas
		Punta Arenas	007250400	53 10S 70 54W			4, 8 MHz		
XVI		NONE							

* The following frequencies are allocated for HF DSC distress and safety communication by the Radio Regulations.(Article N38)
 4 MHz = 4207.5 kHz 6 MHz = 6312 kHz 8 MHz = 8414.5 kHz 12 MHz = 12577 kHz 16 MHz = 16804.5 kHz

* * *

AOR-E = Atlantic Ocean Region, East
 AOR-W = Atlantic Ocean Region, West
 IOR = Indian Ocean Region
 POR = Pacific Ocean Region

ANNEX 5

LIST OF INMARSAT COAST EARTH STATIONS

NAV/MET Area	Country	Location	Ocean area	Service provided(Status of implementation[Date of operation])				RCC Associated
				INMARSAT-A	INMARSAT-B	INMARSAT-C	INMARSAT-E	
I	Denmark	Blavand	AOR-E			Operational		Aarhus
	Germany	Raisting	AOR-E	Operational	Operational	Operational	Operational	Bremen
			IOR	Operational	Operational	Operational	Operational	
	Netherlands	Station 12 (Burum)	IOR	Operational	Operational	Operational		Coast Guard Centre Ijmuiden
			AOR-E	Operational	Operational	Operational		
			AOR-W	Operational	Operational	Operational		
			POR ⁽¹⁾	Operational				
	Norway	Eik	IOR	Operational	Operational	Operational		RCC Stavanger
			AOR-E	Operational	Operational	Operational		
			AOR-W	Operational	Operational	Operational		
	Poland	Psary	IOR	Operational				Gdynia
			AOR-E	Operational				
	United Kingdom	Goonhilly	AOR-E	Operational	Operational	Operational	Operational	Falmouth
			AOR-W	Operational	Operational	Operational	Operational	
			IOR	Operational	Operational	Operational		
			POR	Operational	Operational	Operational		
II	France	Pleumeur-Bodou	AOR-E	Operational				MRCC Etel
			AOR-W	Operational				
			POR	Operational				
			IOR	Operational				

(1) Through Yamaguchi CES(Japan).

NAV/MET Area	Country	Location	Ocean area	Service provided(Status of implementation[Date of operation])				RCC Associated
				INMARSAT-A	INMARSAT-B	INMARSAT-C	INMARSAT-E	
II		Aussaguel	AOR-E		Operational	Operational		MRCC Lisbon
			IOR		Operational	Operational		
	Portugal	Sintra	AOR-E			Operational		
III	Greece	Thermopylae	IOR	Operational	Planned [N.I]	Operational		Piraeus Joint RCC
			AOR-E	Operational	Planned [N.I]	Operational		
			AOR-W	Operational				
			POR	Operational				
	Italy	Fucino	AOR-E	Operational	Operational	Operational		MRCC Roma
			IOR	Operational	Operational	Operational		
	Turkey	Ata	IOR	Operational		Operational		
			AOR-E	Operational		Operational		
		Anatolia ⁽²⁾	IOR	Operational				Portsmouth(United States)
	Ukraine	Odessa	IOR	Operational				
			AOR-E	Operational				
IV	Canada	Laurentides	AOR-E		Operational			Halifax
			AOR-W		Operational			Halifax
	United States	Southbury	AOR-E	Operational	Operational	Operational		Portsmouth
			AOR-W	Operational	Operational	Operational		
		Staten Island	AOR-E	Operational				
V	Brazil	Tangua	AOR-E	Operational		Operational		Salvamar-Su Este ; Rio de Janeiro
VI					NONE			

(2) Anatolia CES is remotely operated from Southbury(United States).

NAV/MET Area	Country	Location	Ocean area	Service provided(Status of implementation[Date of operation])				RCC Associated			
				INMARSAT-A	INMARSAT-B	INMARSAT-C	INMARSAT-E				
VII				NONE							
VIII	India	Arvi	IOR	Operational	Operational	Operational					
IX	Egypt	Maadi	AOR-E	Operational				RCC Cairo			
	Iran	Boumehen	IOR	Operational		Operational					
	Kuwait	Umm-Al-Aish	AOR-E	Operation Discontinued							
	Pakistan	TBD	IOR	TBD	TBD	TBD	TBD	TBD			
	Saudi Arabia	Jeddah	IOR	Operational				Jeddah			
	Unite Arab Emirates	Towi Al Sawan	IOR		Operational						
X	Australia	Perth	POR	Operational	Operational	Operational	Operational	RCC Australia			
			IOR	Operational	Operational	Operational	Operational				
XI	China	Beijing	POR	Operational	Planned[Endof 1997]	Operational		China MRCC			
			IOR	Operational	Planned[Endof 1997]	Operational					
	Indonesia	Jatiluhur	IOR		Operational						
	Japan	Yamaguchi	POR	Operational	Operational	Operational		Otaru MRCC Shiogama MRCC Yokohama MRCC Nagoya MRCC Kobe MRCC Hiroshima MRCC Kitakyushu MRCC Maizuru MRCC Niigata MRCC Kagoshima MRCC Naha MRCC			
			IOR	Operational	Operational	Operational					
	Korea, Republic of	Kumsan	POR	Operational		Operational		Inchon MRCC			
			IOR	Operational		Operational					
	Malaysia	Kuan Tuan ⁽³⁾	IOR		Operational			Portsmouth(United States)			

(3) Kuan Tuan CES is co-located with the Malaysian CES and remotely operated from Southbury(United States).

NAV/MET Area	Country	Location	Ocean area	Service provided(Status of implementation[Date of operation])				RCC Associated
				INMARSAT-A	INMARSAT-B	INMARSAT-C	INMARSAT-E	
	Thailand	Nonthaburi	IOR		Planned[N.I.]	Planned[N.I.]	Planned[N.I.]	Singapore Marine Dept.
	Singapore	Sentosa	POR	Operational	Operational	Operational		
			IOR	Operational	Operational	Operational		
	<u>Associate Member of IMO</u> Hong Kong, China	Cape D'Aguilar	POR	Operational	Operational			MRCC Hong Kong
			IOR	Operational	Operational			
XII	United States	Santa Paula	POR	Operational	Operational	Operational		Alameda
		Niles Canyon	POR	Operational			Under trial	
			AOR-W	Operational			Under trial	Portsmouth
XIII	Russian Federation	Nakhodka	POR	Operational				Vladivostok
XIV	None							
XV	None							
XVI	None							

* * *

ANNEX 6
LIST OF RESCUE CO-ORDINATION CENTRES USING SHIP EARTH STATIONS

NAV/MET Area	Country	RCC		SES DETAIL			Status of implementation [Date of implementation]
		Name	Position	ID	Type	Ocean Region Accessed	
I	Ireland	Eiln	N.I.	N.I.	N.I.	N.I.	Planned[N.I.]
	Finland	RCC Turku	60 26N 22 14E		Inmarsat-B	AOR-E	Planned[1996]
	Latvia	MRCC Riga	Riga	1420154	Inmarsat-A	AOR-E	Operational
	Sweden	MRCC Goteborg	57 41N 11 53E		Inmarsat-B	AOR-E, AOR-W, IOR	Planned[1998]
	United Kingdom	MRCC Falmouth	Falmouth	1441532	Inmarsat-A	AOR-E	Operational
				423200159	Inmarsat-C	AOR-W	
				423200158	Inmarsat-C	AOR-E	
II	Portugal	MRCC Lisbon	Lisbon	N.I.	N.I.	N.I.	Planned[N.I.]
III	Bulgaria	Varna	N.I.	N.I.	N.I.	N.I.	Planned[N.I.]
	Croatia	Split	43 30N 16 28E	N.I.	N.I.	N.I.	Planned[N.I.]
	Estonia	Tallinn	N.I.	N.I.	N.I.	N.I.	Planned[N.I.]
	Greece	Piraeus Joint RCC	37 58N 23 40E	1133207	Inmarsat-A	AOR-E	Operational
				423767310	Inmarsat-C	IOR	
	Italy	TBD					
	Israel	Isres-1	N.I.	N.I.	N.I.	N.I.	Planned[N.I.]
		Isres-2	N.I.	N.I.	N.I.	N.I.	Planned[N.I.]
IV	Turkey	Ankara	N.I.	N.I.	N.I.	N.I.	Planned[1998]
	Bermuda (UK)	RCC Bermuda	32 23N 64 41W	431010110	Inmarsat-C	AOR-E	Operational
	France	MRCC Fort de France	14 36N 61 04W	422799024	Inmarsat-C	AOR-E, AOR-W	Operational
V	NONE						

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NAV/MET Area	Country	RCC		SES DETAIL			Status of implementation [Date of implementation]
		Name	Position	ID	Type	Ocean Region Accessed	
VI	Argentina	MRCC Puerto Belgrano	38 53S 62 06E	49722227	Inmarsat-C	AOR-E, AOR-W	Operational
VII				NONE			
VIII				NONE			
IX	Egypt	Suez Canal Authority	Ismailia Radio	1622570	Inmarsat-A	AOR-E	Operational
X	Australia	RCC Australia	35 15S 149 05E	450300458	Inmarsat-C	POR	Operational
XI	China	Beijing	N.I.	N.I.	N.I.	N.I.	Operational
	Japan	TBD	N.I.	N.I.	N.I.	N.I.	Planned[N.I.]
	Associate Member of IMO Hong Kong, China	Hong Kong MRCC	Hong Kong	447735010	Inmarsat-C	POR	Operational
XII				NONE			
XIII				NONE			
XIV				NONE			
XV				NONE			
XYI				NONE			

* * *

ANNEX 7
NAVTEX SERVICE

NAV/MET Area	Country	NAVTEX Coast Station	Position	Range (NM)	B1 Character	Transmission times(UTC)	Language	Status of implementation [Date of operation]
I	Belgium	Oostende	51 11N 02 48E	150	M	0200,0600,1000,1400,1800,2200	English	Operational (Dover Strait broadcast for UK)
				55	T	0248,0648,1048,1448,1848,2248	English	Operational
	Denmark (Greenland-East Coast)	Reykjavik	64 05N 21 51W	N.I.	X	0350,0750,1150,1550,1950,2350	English	Planned[1.2.1999]
	Estonia	Tallinn	59 30N 24 30E	250	E	0300,0430,0830,1230,1650,0000	English	Operational
	Iceland	Reykjavik Radio	64 05N 21 51W	550	R	0318,0718,1118,1518,1918,2318	English	Operational
	Ireland	Valencia	51 56N 10 21W	400	W	0340,0740,1140,1540,1940,2340	English	Trial
		N.I.	N.I.	400	Q	0240,0640,1040,1440,1840,2240	English	Planned[N.I.]
	France	Niton	50 35N 01 18W	270	K	0140,0540,0940,1340,1740,2140	English	Operational
	Netherlands	Netherlands Coast Guard	52 06N 04 15E	110	P	0348,0748,1148,1548,1948,2348	English	Operational
	Norway	Bodø Radio	67 16N 14 23E	450	B	0018,0418,0900,1218,1618,2100	English	Operational
		Rogaland Radio	58 48N 05 34E	450	L	0148,0548,0948,1348,1748,2148	English	
		Vardoe Radio	70 22N 31 06E	450	V	0300,0700,1100,1500,1900,2300	English	
		Svalbard	78 04N 13 38E	450	A	0000,0400,0800,1200,1600,2000	English	
	Russian Federation	Murmansk	68 58N 33 05E	140	C	0120,0520,0920,1320,1720,2120	English	Operational
		Arkhangelsk	64 33N 40 32E	280	F	0200,0600,1000,1400,1800,2200	English	
	Sweden	Stockholm Radio	64 28N 21 36E	300	H	0000, 0400, 0800 (weather forecast), 1200 (ice report), 1600, 2000 (weather forecast)	English	Operational
		Stockholm Radio	55 29N 14 19E	300	J	0330, 0730 (weather broadcast), 1130 (ice report), 1530, 1930 (weather forecast), 2330	English	
		Stockholm Radio	59 16N 18 43E	300	U	0030, 0430, 0830 (weather forecast), 1230 (ice report), 1630, 2030 (weather forecast)	English	
	United Kingdom	Cullercoats	55 02N 01 26W	270	G	0048,0448,0848,1248,1648,2048	English	Operational

NAV/MET Area	Country	NAVTEX Coast Station	Position	Range (NM)	B1 Character	Transmission times(UTC)	Language	Status of implementation [Date of operation]
		Portpatrick	54 51N 05 07W	270	O	0130,0530,0930,1330,1730,2130	English	
		Niton	50 35N 01 18W	270	S	0018,0418,0818,1218,1618,2018	English	
II	Cameroon	Douala	N.I.	N.I.	Not yet allocated			N.I. Planned[N.I.]
	Cape Verde	Sao Vicente Radio	N.I.	N.I.	Not yet allocated			N.I. Planned[N.I.]
	France	Cross Corsen	48 28N 05 03E	300	A	0000,0400,0800,1200,1600,2000	English	Operational
	Mauritania	Nouadhibou Radio	N.I.	N.I.	Not yet allocated			N.I. Planned[N.I.]
	Morocco	Casablanca Radio	33 36N 07 38W	180	M	0200,0600,1000,1400,1800,2200	English	Planned[N.I.]
	Portugal	Horta Radio	38 32N 28 38W	640	F	0050,0450,0850,1250,1650,2050	English	Operational
		Monsanto Radio	38 44N 09 11W	530	R	0250,0650,1050,1450,1850,2250	English	
	Spain	Coruña	43 21N 08 27W	400	D	0030,0430,0830,1230,1630,2030	English & Spanish (trial)	Operational
		Tarifa	36 01N 05 34W	400	G	0100,0500,0900,1300,1700,2100	English & Spanish (trial)	
		Las Palmas	28 10N 15 25W	400	I	0120,0520,0920,1320,1720,2120	English & Spanish (trial)	
III	Bulgaria	Varna	43 04N 27 46E	350	J	0130,0530(weather forecast), 0930, 1330,1730(weather forecast), 2130	English	Operational
	Croatia	Split	43 30N 16 29E	85	Q	0240,0640,1040,1440,1840,2240	English	Operational
	Cyprus	Cypradio	35 03N 33 17E	200	M	0200,0600,1000,1400,1800,2200	English	Operational
	Egypt	Serapeum	30 28N 32 22E	200	X	0350,0750,1150,1550,1950,2350	English	Operational
		Alexandria	31 12N 29 52E	350	N	0210,0610,1010,1410,1810,2210	English	
	France	Cross La Garde	43 06N 05 59E	250	W	0340,0740,1340,1540,1940,2340	English	Operational
	Greece	Iraklion	35 20N 25 07E	280	H	0110,0510,0910,1310,1710,2110	English & Greek	Operational
		Kerkyra	39 37N 19 55E	280	K	0140,0540,0940,1340,1740,2140	English & Greek	
		Limnos	39 52N 25 04E	280	L	0150,0550,0950,1350,1750,2150	English & Greek	

NAV/MET Area	Country	NAVTEX Coast Station	Position	Range (NM)	B1 Character	Transmission times(UTC)	Language	Status of implementation [Date of operation]
IV	Israel	Haifa	32 49N 35 00E	200	P	0020,0420,0820,1220,1620,2020	English	Operational
	Italy	Roma	41 37N 12 29E	320	R	0250,0650,1050,1450,1850,2250	English & Italian	Planned[N.I.]
		Augusta	37 14N 15 14E	320	S	0300,0700,1100,1500,1900,2300		
		Cagliari	39 13N 09 14E	320	T	0310,0710,1110,1510,1910,2310		
		Trieste	45 40N 13 46E	320	U	0320,0720,1120,1520,1920,2320		
	Malta	Malta	35 49N 14 32E	400	O	0220,0620,1020,1420,1820,2220	English	Operational
	Russian Federation	Novorossiysk	44 42N 37 44E	300	A	0300,0700,1100,1500,1900,2300	English	Operational
	Spain	Cabo de la Nao	38 43N 00 09E	300	X	0350,0750,1150,1550,1950,2350	English & Spanish	Operational
	Turkey	Istanbul	41 04N 28 57E	300	D	0030,0430,0830,1230,1630,2030	English	Operational
		Samsun	41 17N 36 20E	300	E	0040,0440,0840,1240,1640,2040	English	
		Antalya	36 53N 30 42E	300	F	0050,0450,0850,1250,1650,2050	English	
		Izmir	38 22N 26 36E	300	I	0120,0520,0920,1320,1720,2120	English	
	Ukraine	Mariupol	47 06N 37 33E	280	B	0100,0500(weather forecast), 0900(ice report), 1300, 1700 (weather forecast), 2100	English	Operational
		Odessa	46 29N 30 44E	280	C	0230,0630,1030(weather forecast), 1430, 1830(weather forecast, ice report), 2230	English	
IV	Bermuda(UK)	Bermuda	32 23N 64 41W	280	B	0010,0410,0810,1210,1610,2010	English	Operational
	Canada	Sept Iles	50 15N 66 10W	300	C	0020,0420,0820,1220,1620,2020	English	Operational
					D	0035,0435,0835,1235,1635,2035	French	
		Wiarton	44 20N 81 10W	300	H	0110,0510,0910,1310,1710,2110	English	
		St. Johns	47 30N 52 40W	300	O	0220,0620,1020,1420,1820,2220	English	
		Thunder Bay	48 25N 89 20W	300	P	0230,0630,1030,1430,1830,2230	English	
		Sydney, Nova Scotia	46 10N 60 00W	300	Q	0240,0640,1040,1440,1840,2240	English	
					J	0255,0655,1055,1455,1855,2255	French	

NAV/MET Area	Country	NAVTEX Coast Station	Position	Range (NM)	B1 Character	Transmission times(UTC)	Language	Status of implementation [Date of operation]
V	Canada	Yarmouth	43 45N 66 10W	300	U	0320,0720,1120,1520,1920,2320	English	
					V	0335,0735,1135,1535,1935,2335	French	
		Labrador	53 42N 57 01W	300	X	0350,0750,1150,1550,1950,2350	English	
		Denmark(Greenland-West Coast)	Godthaab (Nuuk)	N.I.	W	0340,0740,1140,1540,1940,2340	English, Greenlandic, Danish	Planned [1. 2. 1999]
		United States	Miami	240	A	0000,0400,0800,1200,1600,2000	English	Operational
			Boston	200	F	0445,0845,1245,1645,2045,0045	English	
			New Orleans	200	G	0300,0700,1100,1500,1900,2300	English	
			Portsmouth	280	N	0130,0530,0930,1330,1730,2130	English	
			Isabella	200	R	0200,0600,1000,1400,1800,2200	English	
	Uruguay	Colonia	N.I.	N.I.	Not yet allocated			N.I. Planned[N.I.]
		Laguna del Sauce	N.I.	N.I.	Not yet allocated			N.I. Planned[N.I.]
		La Paloma	N.I.	N.I.	Not yet allocated			N.I. Planned[N.I.]
		Montevideo	N.I.	N.I.	Not yet allocated			N.I. Planned[N.I.]
		Punta del Este	N.I.	N.I.	Not yet allocated			N.I. Planned[N.I.]
		Salto	N.I.	N.I.	Not yet allocated			N.I. Planned[N.I.]
VI	Argentina	Ushuaia	54 48S 68 18W	280	M	0200, 1000, 1800 0600, 1400, 2200	Spanish English	Operational
		Rio Gallegos	51 37S 65 03W	280	N	0210, 1010, 1810 0610, 1410, 2210	Spanish English	
		Comodoro Rivadavia	45 51S 67 25W	280	O	0220, 1020, 1820 0620, 1420, 2220	Spanish English	
		Bahia Blanca	38 43S 62 06W	280	P	0230, 1030, 1830 0630, 1430, 2230	Spanish English	
		Mar del Plata	38 03S 57 32 W	280	Q	0240, 1040, 1840 0640, 1440, 2240	Spanish English	
		Buenos Aires	34 36S 58 22W	560	R	0250, 1050, 1850 0650, 1450, 2250	Spanish English	

NAV/MET Area	Country	NAVTEX Coast Station	Position	Range (NM)	B1 Character	Transmission times(UTC)	Language	Status of implementation [Date of operation]
VII	Namibia	Walvis Bay	23 03S 14 37E	700 Km	B	0010,0410,0810,1210,1610,2010	English	Planned[N.I.]
	South Africa	Cape Town	33 40S 18 43E	500	C	0020,0420,0820,1220,1620,2020	English	Operational
		Port Elizabeth	34 02S 25 33E	500	I	0120,0520,0920,1320,1720,2120	English	
		Durban	30 00S 31 30E	500	O	0220,0620,1020,1420,1820,2220	English	
VIII	India	Bombay	19 05N 72 50E	N.I.	G	0100,0500,0900,1300,1700,2100	English	Operational
		Madras	13 08N 80 10E	N.I.	P	0230,0630,1030,1430,1830,2230	English	
	Mauritius	Mauritius Radio	N.I.	N.I.		Not yet allocated	N.I.	Planned[N.I.]
IX	Bahrain	Hamala	26 09N 50 28E	300	B	0010,0410,0810,1210,1610,2010	English	Operational
	Egypt	Serapeum (Ismailia)	30 28N 32 22E	200	X	0750,1150,1550,1950	English	Operational
	Iran	Bushehr	28 59N 50 50E	300	A	0000,0400,0800,1200,1600,2000	English	On trial
		Bandar Abbas	27 07N 56 04E	300	F	0050,0450,0850,1250,1650,2050	English	
	Saudi Arabia	Dammam	26 26N 50 06E	390	G	0005,0605,1205,1805	English	Operational
		Jeddah	21 23N 39 10E	390	H	0705,1305,1905	English	
	Oman	Muscat	23 36N 58 30E	270	M	0200,0600,1000,1400,1800,2200	English	Operational
	Pakistan	Karachi	24 51 N 67 03E	400	P	0230,0630,1030,1430,1830,2230	English	Operational
X						NONE ⁽¹⁾		
XI	China	Sanya	18 14N 109 30E	250	M	0200,0600,1000,1400,1800,2200	English & Chinese	Operational
		Guangzhou	23 08N 113 32E	250	N	0210,0610,1010,1410,1810,2210	English & Chinese	Operational
		Fuzhou	26 01N 119 18E	250	O	0220,0620,1020,1420,1820,2220	English & Chinese	Operational
		Shanghai	31 08N 121 33E	250	Q	0240,0640,1040,1440,1840,2240	English & Chinese	Operational
		Dalian	38 52N 121 31E	250	R	0250,0650,1050,1450,1850,2250	English & Chinese	Operational
	Indonesia	Jayapura	02 31S 140 43E	300	A	0000,0400,0800,1200,1600,2000	English	Operational

(1) Australia is only providing coastal warnings through the International SafetyNET Service (AUSCOAST). See annex 8.

NAV/MET Area	Country	NAVTEX Coast Station	Position	Range (NM)	B1 Character	Transmission times(UTC)	Language	Status of implementation [Date of operation]
Japan		Ambon	03 42S 128 12E	300	B	0010,0410,0810,1210,1610,2010	English	Operational
		Makassar	05 06S 119 26E	300	D	0030,0430,0830,1230,1830,2030	English	
		Jakarta	06 06S 106 54E	300	E	0040,0440,0840,1240,1640,2040	English	
	Japan	Otaru	43 19N 140 27E	400	J	0130,0530,0930,1330,1730,2130	English	
						0051,0451,0851,1251,1651,2051	Japanese ⁽²⁾	
		Kushiro	42 57N 144 36E	400	K	0140,0540,0940,1340,1740,2140	English	
						0108,0508,0908,1308,1708,2108	Japanese ⁽²⁾	
		Yokohama	35 14N 139 55E	400	I	0120,0520,0920,1320,1720,2120	English	
						0034,0434,0834,1234,1634,2034	Japanese ⁽²⁾	
	Japan	Moji	34 01N 130 56E	400	H	0110,0510,0910,1310,1710,2110	English	
						0017,0417,0817,1217,1617,2017	Japanese ⁽²⁾	
		Naha	26 05N 127 40E	400	G	0100,0500,0900,1300,1700,2100	English	
						0000,0400,0800,1200,1600,2000	Japanese ⁽²⁾	
		Chukpyun	37 03N 129 26E	200	V	0330,0730,1130,1530,1930,2330	English	Planned[2. 1998]
						0000,0400,0800,1200,1600,2000	Korean	
	Korea, Republic of	Byunsan	35 36N 126 29E	200	W	0340,0740,1340,1540,1940,2340	English	
						0020,0420,0820,1220,1620,2020	Korean	
		Penang	05 25N 100 24E	350	U	0320,0720,1120,1520,1920,2320	English	Operational
	Malaysia	Miri	04 27N 114 01E	350	T	0310,0710,1110,1510,1910,2310	English	
		Sandakan	05 54N 118 00E	350	S	0300,0700,1100,1500,1900,2300	English	
		Manila	14 35N 121 03E	320	N.I.	N.I.	English	Planned[3. 1998]
		Puerto Princesa	09 44N 118 43E	320	N.I.	N.I.	English	

(2) Transmit on 424 kHz (Note; 424 kHz is a local frequency, not a GMDSS frequency allocated for national broadcasts.)

NAV/MET Area	Country	NAVTEX Coast Station	Position	Range (NM)	B1 Character	Transmission times(UTC)	Language	Status of implementation [Date of operation]
		Davao	07 04N 125 36E	320	N.I.	N.I.	English	
	Singapore	Singapore	01 25N 103 52E	400	C	0020,0420,0820,1220,1620,2020	English	Operational
	Thailand	Bangkok Radio	13 43N 100 34E	200	F	0050,0450,0850,1250,1650,2050	English	Operational
	United States	Guam	13 29N 144 50E	100	V	0100,0500,0900,1300,1700,2100	English	Operational
	Vietnam	Ho Chi Minh City	10 47N 106 40E	400	X	0350,0750,1150,1550,1950,2350	English	Planned[1997]
		Haiphong	20 44N 106 44E	400	P (W) ⁽³⁾	0230,0630,1030,1430,1830,2230	English & Vietnamese	Planned[1999]
		Danang	16 05N 108 13E		W (P) ⁽⁴⁾	0340,0740,1140,1540,1940,2340	English	Planned[1998]
	Associate Member of IMO Hong Kong, China	Hong Kong	22 13N 114 15E	N.I.	L	0150,0550,0950,1350,1750,2150	English	Operational
XII	Canada	Prince Rupert	54 20N 130 20W	300	D	0030,0430,0830,1230,1630,2030	English	Operational
		Tofino	48 55N 125 35W	300	H	0110,0510,0910,1310,1710,2110	English	
	United States	San Francisco	37 55N 122 44W	350	C	0400,0800,1200,1600,2000,2400	English	Operational
		Kodiak	57 46N 152 34W	200	J	0300,0700,1100,1500,1900,2300	English	
		Honolulu	21 22N 158 09W	350	O	0040,0440,0840,1240,1640,2040	English	
		Cambrria	35 31N 121 03W	350	Q	0445,0845,1245,1645,2045,0045	English	
		Astoria	46 10N 123 49W	216	W	0130,0530,0930,1330,1730,2130	English	
		Adak	51 54N 176 39W	-	X		English	Suspended
XIII	Russian Federation	Kholmsk	47 02N 142 03E	300	B	0010,0410,0810,1210,1610,2010	English	Planned[1999]
		Petropavlovsk - Kamchatskiy	53 00N 158 40E	300	C	0020,0420,0820,1220,1620,2020	English	
		Astrakhan	44 20N 048 02W	250	W	0340,0740,1140,1540,1940,2340	English	
XIV						NONE		

(3) P is allocated until Danang becomes operational, then W is allocated as its B1 on 4209.5kHz (English) and 490kHz (Vietnamese) services.

(4) W is allocated only during trial period, then P is allocated as its B1.

NAV/MET Area	Country	NAVTEX Coast Station	Position	Range (NM)	B1 Character	Transmission times(UTC)	Language	Status of implementation [Date of operation]
XV	Chile	Antofagasta	23 40S 70 25W	300	A	0400,1200,2000	English	Operational
					H	0000,0800,1600	Spanish	
		Valparaiso	32 48S 71 29W	300	B	0410,1210,2010	English	
					I	0010,0810,1610	Spanish	
		Talcahuano	36 42S 73 06W	300	C	0420,1220,2020	English	
					J	0020,0820,1620	Spanish	
		Puerto Montt	41 30S 72 58W	300	D	0430,1230,2030	English	
					K	0030,0830,1630	Spanish	
		Punta Arenas	53 09S 70 58W	300	E	0440,1240,2040	English	
					L	0040,0840,1640	Spanish	
XVI	Peru	Paita	05 05S 81 07W	200	S	0300,0700,1100,1500,1900,2300	English & Spanish	Operational
					U	0320,0720,1120,1520,1920,2320	English & Spanish	Operational
					W	0340,0740,1140,1540,1940,2340	English & Spanish	Under trial[8.1996]

4 MHz NAVTEX

NAV/MET Area	Country	NAVTEX Coast Station	Position	Range (NM)	B1 Charac tor	Transmission times(UTC)	Language	Status of implementation [Date of operation]
III, IX	Egypt	Serapeum(Ismailia)	30 28N 32 22E	N.I.	N.I.	N.I.	N.I.	Planned[Before 1.2. 1999]
V	Brazil	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	Planned[Aug. 1993]
XI	Vietnam	Haiphong	20 44N 106 44E	N.I.	W**	0230,0630,1030,1430,1830,2230	English & Vietnamese	Planned[1999]

** See footnote (3)

* * *

NAV = NAVIGATIONAL WARNINGS

MET = METEOROLOGICAL INFORMATION

SAR = SEARCH AND RESCUE ALERTS

* = NAVAREA CO-ORDINATOR, RESPONSIBLE FOR THE AREA.

** = THE ISSUING MEMBER NOMINATED BY WMO FOR METAREA SERVICES, RESPONSIBLE FOR THE AREA.

ANNEX 8

THE INTERNATIONAL SAFETYNET SERVICE

NAV/MET Area	Type of MSI	Country	CES	Ocean area	Area covered	Broadcast schedule (UTC)	Status of implementation [Date of operation]
I	NAV	United Kingdom*	Goonhilly	AOR-E		1730 + as appropriate	Operational
	MET	United Kingdom**	Goonhilly	AOR-E		0930, 2130	Operational
	SAR	United Kingdom	Goonhilly	AOR-E/W		As occasion demands	Operational
	SAR	Norway	EIK	IOR		As occasion demands	Operational
	SAR	Germany	Raisting	AOR-E & IOR		As occasion demands	Operational
	SAR	Netherlands	Station 12	AOR-E/W & IOR		As occasion demands	Planned[N.I.]
II	NAV	France*	Aussaguel	AOR-E	AREA II	1630	Operational
	MET	France** /United Kingdom	Aussaguel/Goonhilly	AOR-E & AOR-W	AREA II	0900, 2100	Operational
	SAR	France / United Kingdom	Aussaguel/Goonhilly	AOR-E & AOR-W	AREA II	As occasion demands	Operational
	SAR	Cape Verde	N.I.	N.I.		As occasion demands	Operational
III	NAV	Spain*	Goonhilly	AOR-E		1200, 2400 + on receipt	Operational
	MET	Greece**	Thermopylae	IOR	AREA III	0930, 2130	Operational
	SAR	Greece	Thermopylae	AOR-E & IOR	Greek SAR region	As occasion demands	Operational
IV	NAV	United States*	Southbury	AOR-W		1000, 2200	Operational
	MET	United States**	Southbury	AOR-W		0430, 1030, 1630, 2230	Operational
	SAR	United States	Southbury	AOR-W		As occasion demands	Operational
V	NAV	Brazil*	Tangua	AOR-E		0400, 1230	Operational
	MET	Brazil**	Tangua	AOR-E		0130, 0730, 1330, 1930	Operational
	SAR	Brazil	Tangua	AOR-E		As occasion demands	Operational
VI	NAV	Argentina*	Southbury	AOR-W	AREA VI	0200, 1400	Operational
	MET	Argentina**	Southbury	AOR-W	AREA VI	0230, 1730	Operational
	SAR	Argentina	Southbury	AOR-W	AREA VI	As occasion demands	Operational

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NAV/MET Area	Type of MSI	Country	CES	Ocean area	Area covered	Broadcast schedule (UTC)	Status of implementation [Date of operation]
VII	NAV	South Africa*	Station 12	AOR-E/IOR		0940, 1940	Operational
	MET	South Africa**	Goonhilly/Perth	AOR-E/IOR		0940, 1940	Operational
	SAR	South Africa	Goonhilly/Perth	AOR-E/IOR		As occasion demands	Operational
VIII	NAV	India*	Arvi	IOR	NAVAREA VIII	1000	Under trial[1997]
	MET	India**	Arvi	IOR	North of equator in AREA VIII	0900, 1800	Operational
	MET	Mauritius La Réunion (via South Africa)	Perth	IOR	South of equator in AREA VIII	0830, 1630	Operational
	SAR	India	Arvi	IOR		N.I.	Planned[1997]
IX	NAV	Australia, Pakistan	Perth	IOR	NAVAREA IX	0800	Operational
	MET	Pakistan**	Perth	IOR		0500, 1700	Planned[N.I.]
	MET	Australia (Saudi Arabia)	Perth	IOR		0845	Interim service ⁽¹⁾
	SAR	Pakistan	TBD	IOR	Pakistan SAR Region	As occasion demands	Planned[1997]
X	NAV	Australia*	Perth	IOR/POR		0700, 1900 + on receipt	Operational
	MET	Australia**	Perth	IOR	Western and Casey West. See figure 8-1	1030, 2330	Operational
				POR	All areas except Casey West. See figure 8-1	0550, 1100, 1850, 2300	Operational
	SAR	Australia	Perth	IOR/POR		As occasion demands	Operational
	COASTAL WARNINGS ⁽²⁾	Australia	Perth	POR	See figure 8-2 for B1 character	0700, 1900 + on receipt	Operational

(1) Interim service will be provided until the issuing Member nominated by WMO is able to provide a full service.

(2) Australia is providing coastal warnings through the International SafetyNET Service (AUSCOAST) instead of International NAVTEX Services.

NAV/MET Area	Type of MSI	Country	CES	Ocean area	Area covered	Broadcast schedule (UTC)	Status of implementation [Date of operation]
XI	NAV	Japan*	Yamaguchi	POR/IOR	All area in AREA XI	0005, 0805, 1205	Operational
	MET	Japan**	Singapore	POR	POR area in AREA XI	0230, 0830, 1430, 2030	Operational
	MET	China**	Beijing	IOR	IOR area in Area XI	0330, 1530	Operational
	SAR	Indonesia	Perth	POR/IOR		As occasion demands	Operational
	SAR	Japan	Yamaguchi	POR/IOR	North of 17EN, West of 165EE	As occasion demands	Operational
	SAR	Malaysia	Singapore	POR/IOR		As occasion demands	Operational
	SAR/NAV/MET	Singapore	Singapore	POR/IOR		As occasion demands	Operational
	SAR/NAV/MET	<u>Associate Member of IMO</u> Hong Kong	Perth	POR/IOR		As occasion demands	Operational
XII	NAV	United States*	Santa Paula/ Southbury	POR/AOR-W		1030, 2230	Operational
	MET	United States**	Santa Paula/ Southbury	POR/AOR-W		0545, 1145, 1745, 2345	Operational
	SAR	United States	Santa Paula/ Southbury	POR/AOR-W	U.S.SAR Region	As occasion demands	Operational
XIII	NAV	Russian Federation*	Perth	POR	All area in AREAXIII	0930, 2130	Interim Operation
	MET	Russian Federation**	Perth	POR	North of 60EN in AREA XIII	0930, 2130	Interim Operation
	MET	Japan	Perth	POR	South of 60EN in AREA XIII	0230, 0830, 1430, 2030	Operational ⁽³⁾
XIV	NAV	New Zealand*	Perth	POR	Area covered by (20ES 160EE) (20ES 120EW) (55ES 160EE) (55ES 120EW)	On receipt + every 12 hrs.	Operational
	MET	New Zealand**	Perth	POR		0930, 2130 0100, 1300 (NZ coast only) 0330, 1530 (warnings only)	Operational
	SAR	New Zealand	Perth	POR		As occasion demands	Operational
	SAR	Tonga	TBD	TBD		As occasion demands	Planned[N.I.]
XV	NAV	Chile*	Southbury	AOR-W	AREA XV	0215, 1430, 2210	Operational

(3) Same service to METAREA XI.

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NAV/MET Area	Type of MSI	Country	CES	Ocean area	Area covered	Broadcast schedule (UTC)	Status of implementation [Date of operation]
	MET	Chile**	Southbury	AOR-W	AREA XV	1800	Operational
	SAR	Chile	Southbury	AOR-W	Chilean SAR Region	As occasion demands	Operational
XVI	NAV	Peru*	Southbury	AOR-W	AREA XVI	0519, 1119, 1719, 2319	Operational
	MET	United States**	Southbury	AOR-W	AREA XVI	0515, 1115, 1715, 2315	Operational
	SAR	Peru	Southbury	AOR-W	Area covered by 03E24'S, 18E21'S, 120EW and coast line	As occasion demands	Operational

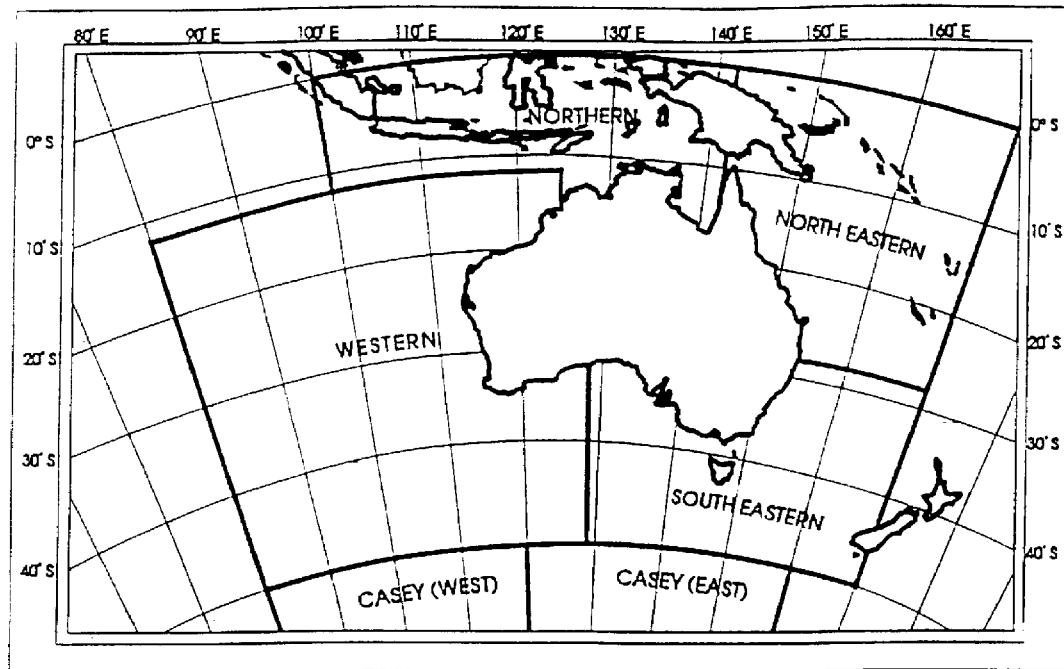


Figure 8-1 Areas for weather forecasts in Australia

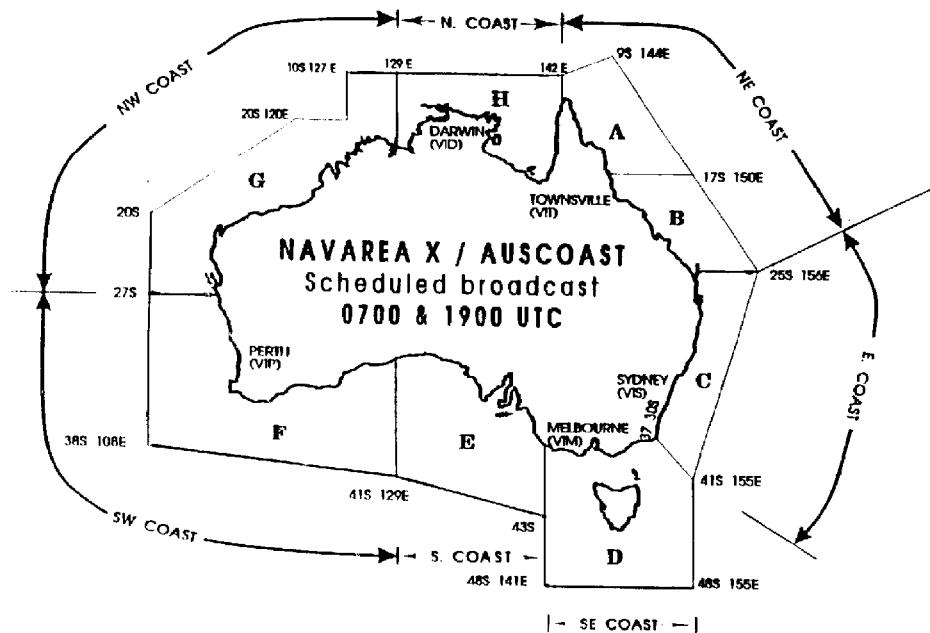


Figure 8-2 Areas for coastal navigational warnings on SafetyNET in Australia
(Pacific Ocean Region satellite)

APPENDICES

TABLE OF INTERNATIONALLY CO-ORDINATED BROADCAST SCHEDULES

These appendices provide the latest information on broadcast schedules which were available at the time of printing. For the most up to date information, reference should be made to documentation of the International Maritime Organization (IMO) and lists of Radio Signals published by national hydrographic offices.

Information on known broadcast schedules is tabulated as follows:

Appendix 1 - NAVAREA Warning Schedules

Appendix 2 - METAREA Schedules

Appendix 3 - Broadcast Schedules of each Satellite Region

Registered Information Providers should attempt to release messages for scheduled broadcast no earlier than the advertised time of the schedule and no later than 15 minutes after that time.

APPENDIX 1
NAVAREA WARNING SCHEDULES

NAVAREA	CO-ORDINATOR	TIMES (UTC)	SATELLITE
I	United Kingdom	1730 + as appropriate	AOR(E)
II	France	1630	AOR(E)
III	Spain	1200 2400 + on receipt	AOR(E)
IV	United States	1000 2200	AOR(W)
V	Brazil	0400 1200	AOR(E)
VI	Argentina	0200 1400	AOR(W)
VII	South Africa	0940 1940	IOR & AOR(E)
VIII	India	1000*	IOR
IX	Pakistan	0800	IOR
X	Australia	0700 1900 + on receipt	POR & IOR
XI	Japan	0005 0805 1205	POR & IOR
XII	United States	1030 2230	POR & AOR(W)
XIII	Russian Federation	0930 2130	POR
XIV	New Zealand	on receipt + every 12 hours	POR
XV	Chile	0215 1430 2210	AOR(W)
XVI	Peru	0519 1119 1719 2319	AOR(W)

* trial operation

APPENDIX 2
METAREA SCHEDULES

METAREA	ISSUING COUNTRY	TIMES (UTC)	SATELLITE
I	United Kingdom	0930 2130	AOR(E)
II	France	0900 2100	AOR(E),(W)
III	Greece	0930 2130	IOR
IV	United States	0430 1030 1630 2230	AOR(W)
V	Brazil	0130 0730 1330 1930	AOR(E)
VI	Argentina	0230 1730	AOR(W)
VII	South Africa	0940 1940	AOR(E) & IOR
VIII	India	0900 1800 (For North of equator)	IOR
	Mauritius / La Réunion	0845 1630 (For South of equator)	
IX	Pakistan	0500 1700	IOR
	Australia	0845	
X	Australia	1030 2330	IOR
		0550 1100 1850 2300	POR
XI	China	0330 1530	IOR
	Japan	0230 0830 1430 2030	POR
XII	United States	0545 1145 1745 2345	POR & AOR(W)
XIII	Russian Federation	0930 2130 (For North of 60EN)	POR
	Japan *	0230 0830 1430 2030 (For South of 60EN)	
XIV	New Zealand	0930 2130 0100 1300(NZ coast only) 0300 1530(warnings only)	POR
XV	Chile	1800	AOR(W)
XVI	United States	0515 1115 1715 2315	AOR(W)

* Same service to METAREA XI

APPENDIX 3

BROADCAST SCHEDULES OF EACH SATELLITE REGION

Ocean region	Broadcast schedule(UTC)	
AOR-E	0130(MET V), 0400(NAV V), 0730(MET V), 0900(MET II), 0930(MET I), 0940(NAV & MET VII), 1200(NAV III and V)	1330(MET V), 1630(NAV II), 1730(NAV I), 1930(MET V), 1940(NAV & MET VII), 2100(MET II), 2130(MET I), 2400(NAV III)
AOR-W	0200(NAV VI), 0215(NAV XV), 0230(MET VI), 0430(MET IV), 0515(MET XVI), 0519(NAV XVI), 0545(MET XII), 0900(MET II), 1000(NAV IV), 1030(MET IV & NAV XII), 1115(MET XVI), 1119(NAV XVI), 1145(MET XII)	1400(NAV VI), 1430(NAV XV), 1630(MET IV), 1715(MET XVI), 1719(NAV XVI) 1730(MET VI), 1745(MET XII), 1800(MET XV), 2100(MET II), 2200(NAV IV), 2210(NAV XV), 2230(MET IV & NAV XII), 2315(MET XVI), 2319(NAV XVI), 2345(MET XII)
IOR	0005(NAV XI), 0330(MET XI), 0500(MET IX), 0700(NAV X), 0800(NAV IX), 0805(NAV XI), 0830(MET VIII), <i>0845(MET IX)</i> , 0900(MET VIII) 0920(MET VII), 0930(MET III), 0940(NAV & MET VII), 1000(NAV VIII), 1030(MET X)	1205(NAV XI), 1530(MET XI), 1630(MET VIII), 1700(MET IX), 1800(MET VIII), 1900(NAV X), 1940(NAV & MET VII), 2130(MET III), 2330(MET X)
POR	0100(MET XIV), 0005(NAV XI), 0230(MET XI & XIII), 0330(MET XIV), 0545(MET XII), 0550(MET X), 0700(NAV X), 0805(NAV XI), 0830(MET X & XI & XIII), 0930(NAV XIII, <i>MET XIII & XIV</i>), 1030(NAV XII), 1100(MET X), 1145(MET XII)	1205(NAV XI), 1300(MET XIV), 1430(MET XI & XIII), 1530(MET XIV), 1745(MET XII), 1850(MET X), 1900(NAV X), 2030(MET XI & XIII), 2100(MET XIV), 2130(NAV XIII, <i>MET XIII & XIV</i>), 2230(NAV XII), 2300(MET X), 2345(MET XII)

- Shaded broadcasts are not operational (under trial).
- *Italic broadcasts* are interim services.

ANNEX 9

HF NBDP MARITIME SAFETY INFORMATION BROADCAST SERVICE

Country	NBDP Coast Station	Position	Frequency Band *	Schedule (UTC)	Status of implementation [Date of operation]
Argentina	Comodoro Rivadavia PNA Radio	45 51S 67 25W	4 MHz	0530, 2300	Operational
			8 MHz	0530, 1300, 1830, 2300	
			12 MHz	0530, 1300, 1830, 2300	
			19 MHz	1300, 1830	
Egypt	Alexandria	31 12N 29 52E	8 MHz	TBD	TBD
	Serapeum	30 28N 32 22E	4 MHz		Planned[1.2. 1999]
			6 MHz		
			8 MHz		
Greece			TBD		Planned[N.I.]
Indonesia			TBD		Planned[N.I.]
Iran	Abbas	27 12N 57 17E	4 MHz	0730, 1430	Operational
			8 MHz	0330, 0530, 1230	Operational
			12 MHz	0830, 1030	Operational
Italy			TBD		Planned[N.I.]
Peru	Paita	05 05S 81 07W	4,6,8,12,16,19,22,26MHz	TBD	TBD
	Callao	12 03S 77 07W			
	Mollendo	17 01S 72 01W			
South Africa	Cape Town	33 40S 18 43E	4 MHz(4214 kHz ⁽¹⁾)	0615, 0900, 1700	Operational
			8 MHz(8428.5 kHz ⁽¹⁾)	0615, 0900, 1700	Operational
			12 MHz(12601 kHz ⁽¹⁾)	0615, 0900, 1700	Operational
			16 MHz(16816 kHz ⁽¹⁾)	0615, 0900, 1700	Operational

(1) These are national frequencies, not frequencies allocated by the Radio Regulations(Article N38) for HF NBDP.

Country	NBDP Coast Station	Position	Frequency Band *	Schedule (UTC)	Status of implementation [Date of operation]
United States	Boston	41 39N 70 33W	6 MHz	0030, 0140	Operational
			8 MHz	0030, 0140, 1218, 1630	Operational
			12 MHz	0030, 0140, 1220, 1630	Operational
			16 MHz	1218, 1630	Operational
	Guam	13 29N 144 50E	12 MHz	0230, 0500, 0900, 1500, 1900, 2310	Operational
			16 MHz	0230, 0500, 0900, 1500, 1900, 2315	Operational
			22 MHz	0230, 0500, 0900, 1500, 1900, 2315	Operational
	Honolulu	21 26N 158 09W	8 MHz	0130, 0330, 0430, 0630, 0730, 1330, 1730, 2030, 2230	Operational
			12 MHz	0130, 0330, 0430, 0630, 0730, 1330, 1730, 2030, 2230	Operational
			22 MHz	0130, 1730, 2230	Operational
	San Francisco	37 56N 122 44W	8 MHz	0000, 1800	Operational
			16 MHz	0000, 1800	Operational

* The following frequencies are allocated for NBDP MSI broadcast by the Radio Regulations(Article N38) ;

4 MHz = 4210 kHz
16 MHz = 16806.5 kHz

6 MHz = 6314 kHz
19 MHz = 19680.5 kHz

8 MHz = 8416.5 kHz
22 MHz = 22376 kHz

12 MHz = 12579 kHz
26 MHz = 26100.5 kHz

* * *

ANNEX 10

LIST OF COSPAS-SARSAT MISSION CONTROL CENTRES AND LOCAL USER TERMINALS

Country	M C C			L U T		RCC ASSOCIATED
	Location	Designator	Status of implementation [Date of operation]	Location	Status of implementation [Date of operation]	
Algeria	Algiers	ALMCC	Operational	Ouagla	Operational	RCC Algiers
Argentina	Buenos Aires	ARMCC	Planned	TBD(2 LUTs)	Planned[N.I.]	RCC Buenos Aires
Australia	Canberra	AUMCC	Operational	Albany	Operational	RCC Australia
				Bundaberg	Operational	
Brazil	Brasilia-DF	BRMCC-backup	Planned[4.1998]	Brasilia-DF	Planned[4.1998]	Salvamar/Salvaero
	S-o José Dos Campos -SP	BRMCC		Recife-PE		
Canada	Trenton	CMCC	Operational	Manaus-AM		
				Churchill	Operational	
				Edmonton	Operational	
Chile	Santiago	CHMCC	Operational	Santiago	Operational	MRCC Chile
China	Beijing	CHMCC	Planned[1997]	Beijing	Planned[1997]	
Egypt	TBD					RCC Cairo
France	Toulouse	FMCC	Operational	Toulouse	Operational	MRCC Etel MRCC La Garde
India	Bangalore	INMCC	Operational	Bangalore	Operational	
				Lucknow	Operational	
Indonesia	Jakarta	IDMCC	Full Operational Capability (FOC) date to be announced [4.12.1996]	Ambon	Operational	RCC I ; Soekarto-Hatta Airport, Jakarta RCC II ; Djunda Airport, Surabaya RCC III ; Hasanudin Airport, Ujung Pandang RCC IV ; Frans Karseifo Airport, Biak
				Jakarta	Operational	

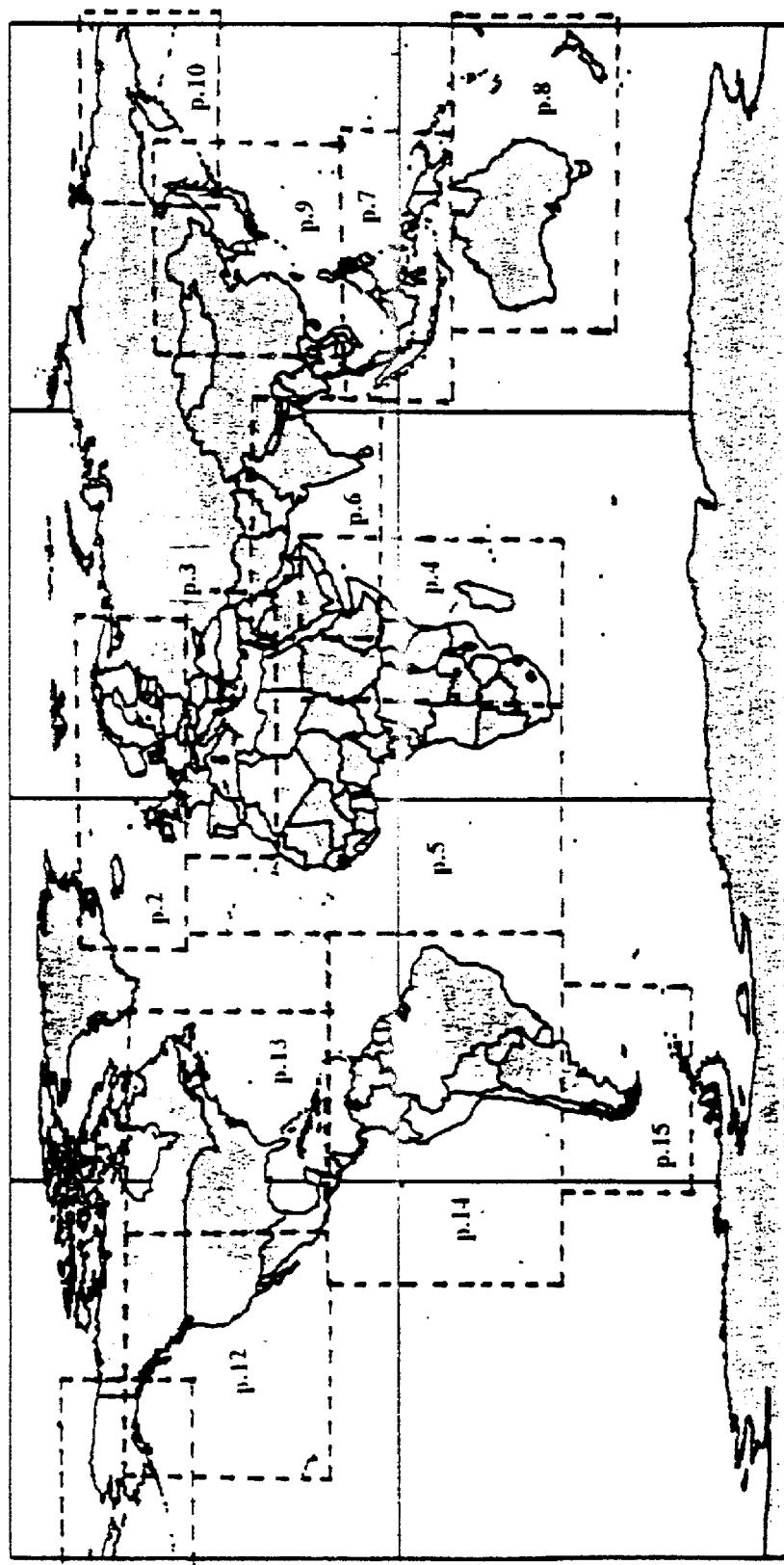
Country	M C C			L U T		RCC ASSOCIATED
	Location	Designator	Status of implementation [Date of operation]	Location	Status of implementation [Date of operation]	
Italy	Bari	ITMCC	Operational	Bari	Operational	Roma
Japan	Tokyo	JAMCC	Operational	Yokohama (2LUTs)	Operational	Otaru MRCC Shiogama MRCC Yokohama MRCC Nagoya MRCC Kobe MRCC Hiroshima MRCC Kitakyushu MRCC Maizuru MRCC Niigata MRCC Kagoshima MRCC Naha MRCC
Korea, Republic of	Inchon	KOMCC	Operational	Inchon (2LUTs)	Operational	Inchon MRCC Kimpo RCC
New Zealand	Canberra (Australia)	AUMCC	Operational	Wellington	Operational	RCC Lower Hutt
	N.I.	NZMCC	Planned[N.I.]	N.I.	N.I.	N.I.
Norway	Bodoe	NMCC	Operational	Tromso	Operational	RCC Bodoe RCC Stavanger
Pakistan	Lahore	PAMCC	Full Operational Capability (FOC) date to be announced	Lahore	Operational	CAA Lahore MSA Karachi
Peru	Callao	PEMCC	Operational	Callao	Operational	Callao
Russian Federation	Moscow	CMC	Operational	Arkhangelsk	Operational	
				Moscow	Operational	
				Nakhodka	Operational	
				Novosibirsk	Operational	
Singapore	Singapore	SIMCC	Operational	Singapore (2LUTs)	Operational	
Spain	Maspalomas	SPMCC	Operational	Maspalomas	Operational	RCC Madrid RCC Baleares RCC Canarias (part of RCC Cape Town)
Thailand				TBD		

Country	M C C			L U T		RCC ASSOCIATED
	Location	Designator	Status of implementation [Date of operation]	Location	Status of implementation [Date of operation]	
United Kingdom	Kinloss	UKMCC	Operational	Lasham	Operational	MRCC Falmouth ARCC Kinloss
United States	Suitland	USMCC	Operational	Alaska (2LUTs)	Operational	CG Atlantic ; Portsmouth
				California (2LUTs)	Operational	CG District 1 ; Boston, MA
				Hawaii (2LUTs)	Operational	CG District 5 ; Portsmouth
				Texas (2LUTs)	Operational	CG District 7 ; Miami, FL
				Guam (2LUTs)	Operational	CG District 8 ; New Orleans, LA
				Puerto Rico(2LUTs)	Operational	CG District 9 ; Cleveland, OH CG District 11 ; Alameda CG District 13 ; Seattle, WA CG District 14 ; Honolulu, HI CG District 17 ; Juneau, AK Elmendorf AFB ; Anchorage, AK Langley AFB ; Langley, VA CG Pacific ; Alameda, CA
Associate Member of IMO Hong Kong, China	Hong Kong	HKMCC	Operational	HongKong(2LUTs)	Operational	MRCC Hong Kong

* * *

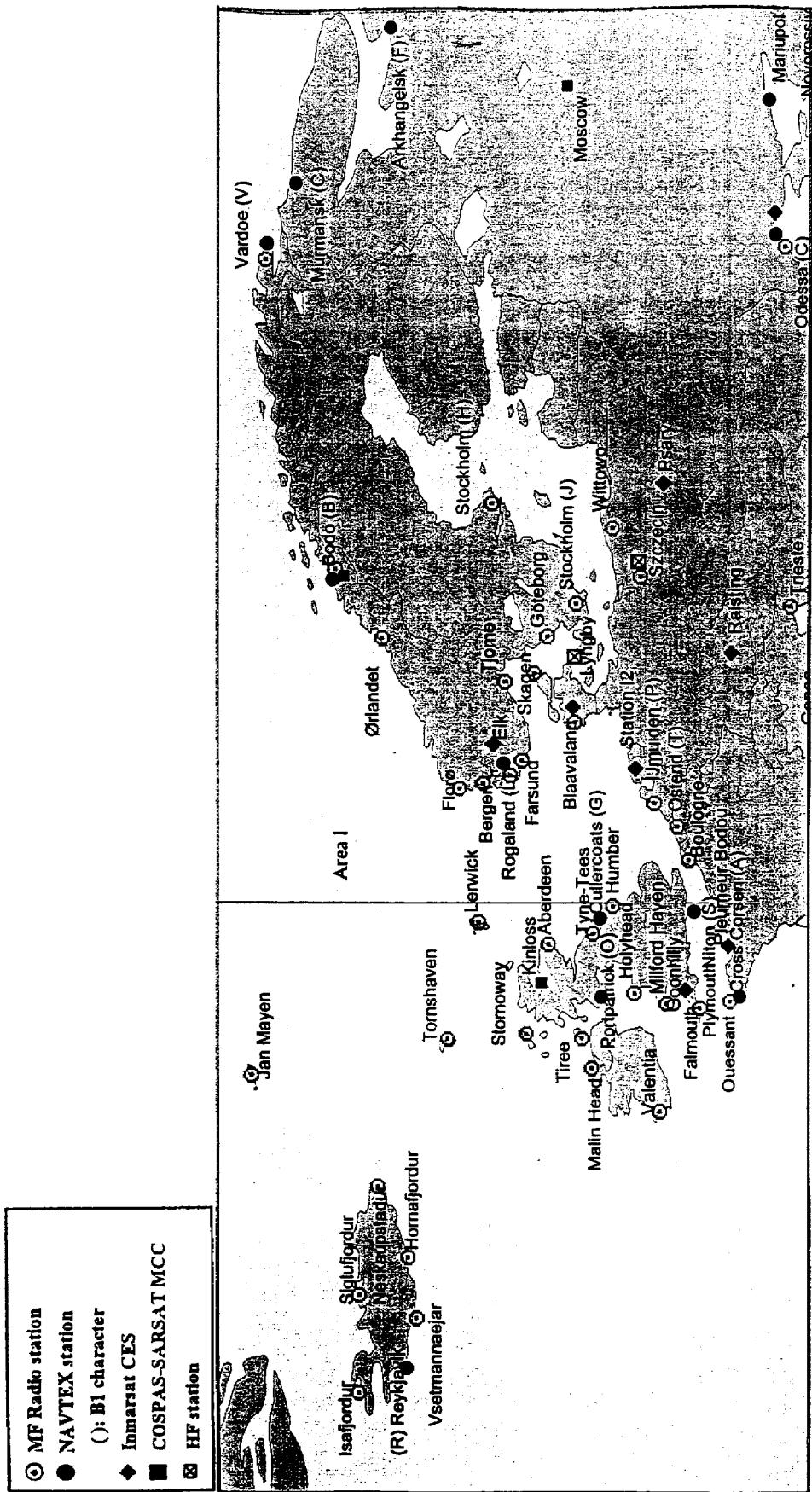
ANNEX 11

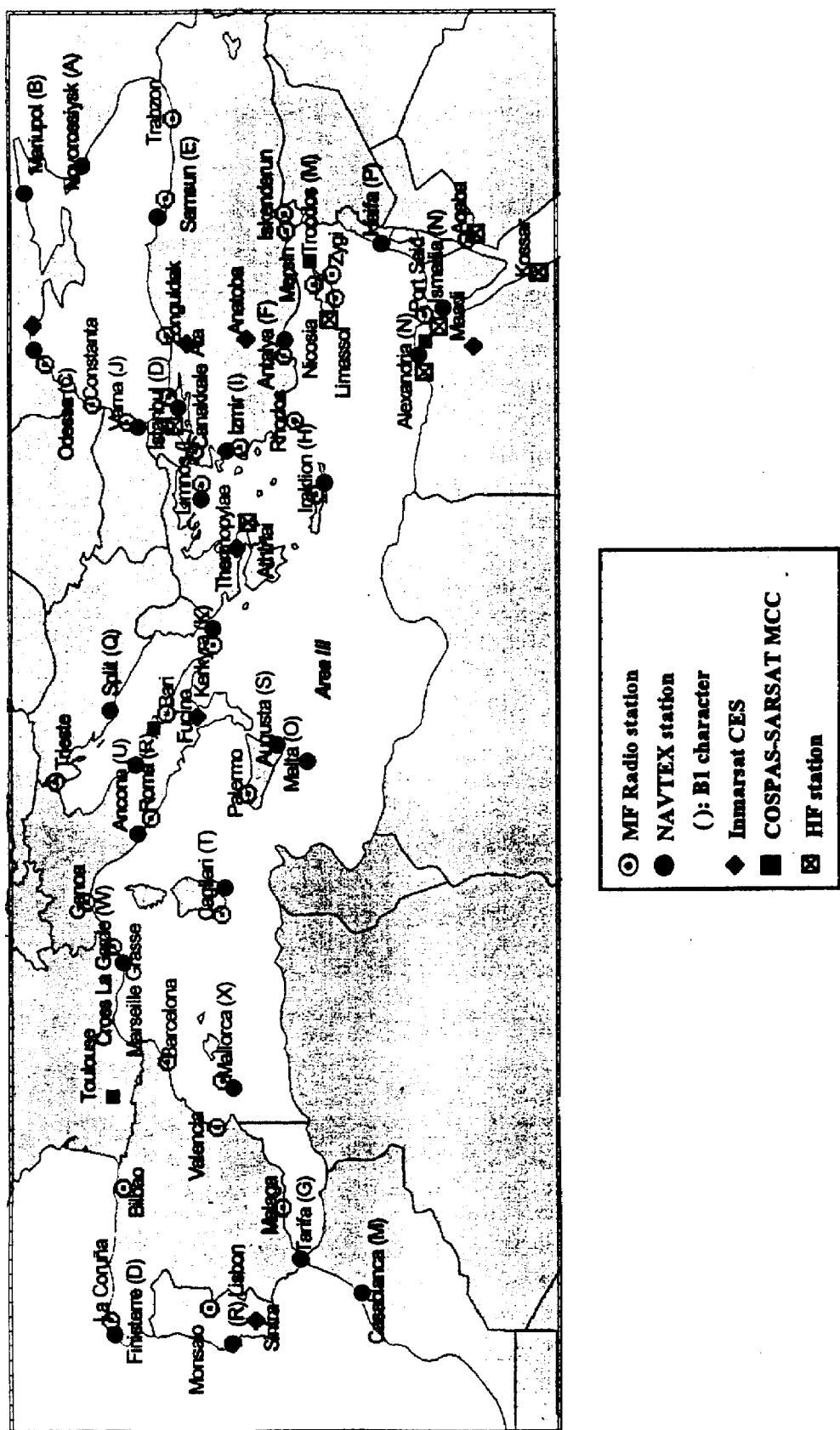
MAPS OF SHORE-BASED FACILITIES FOR THE GMDSS

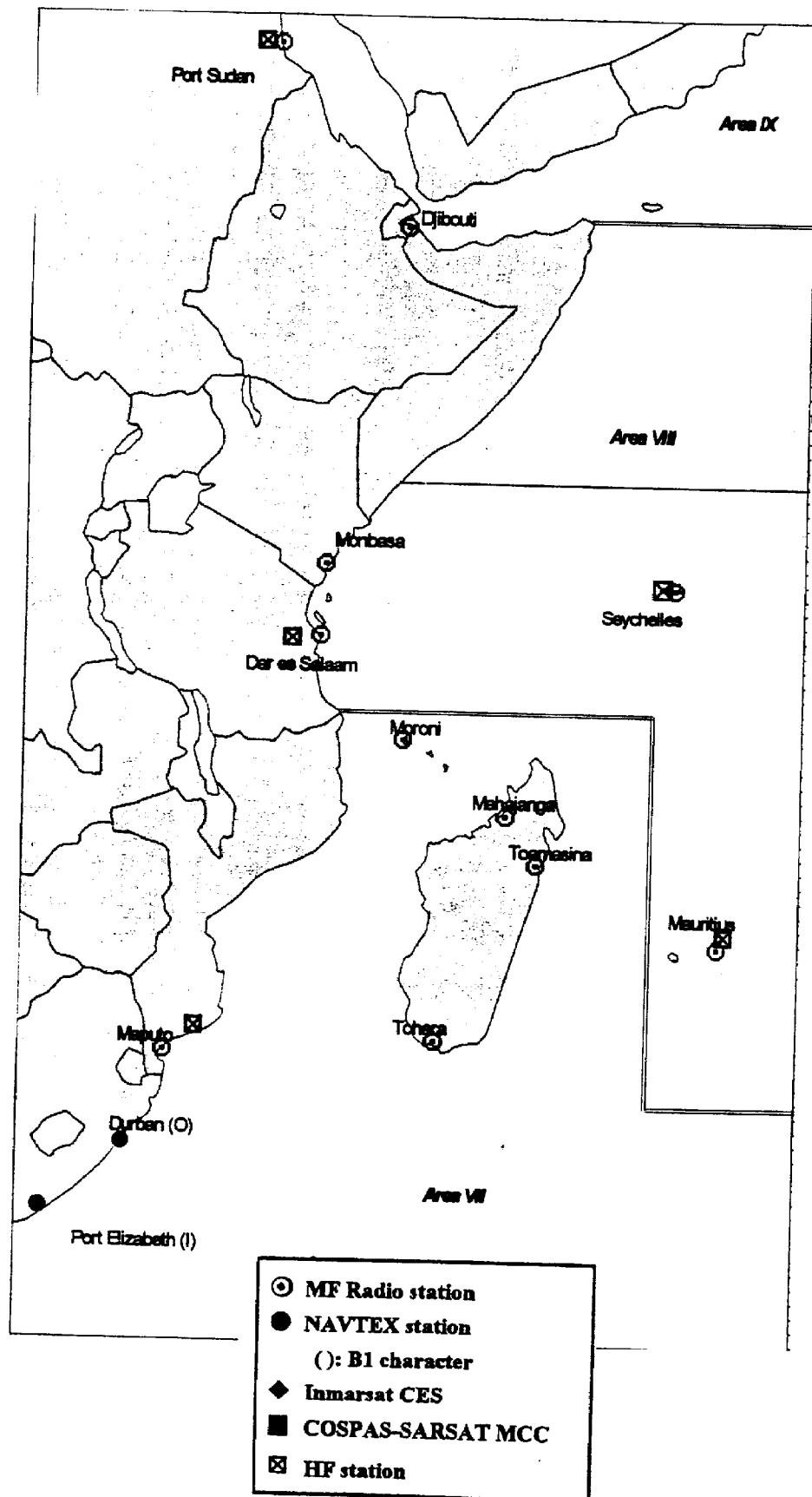


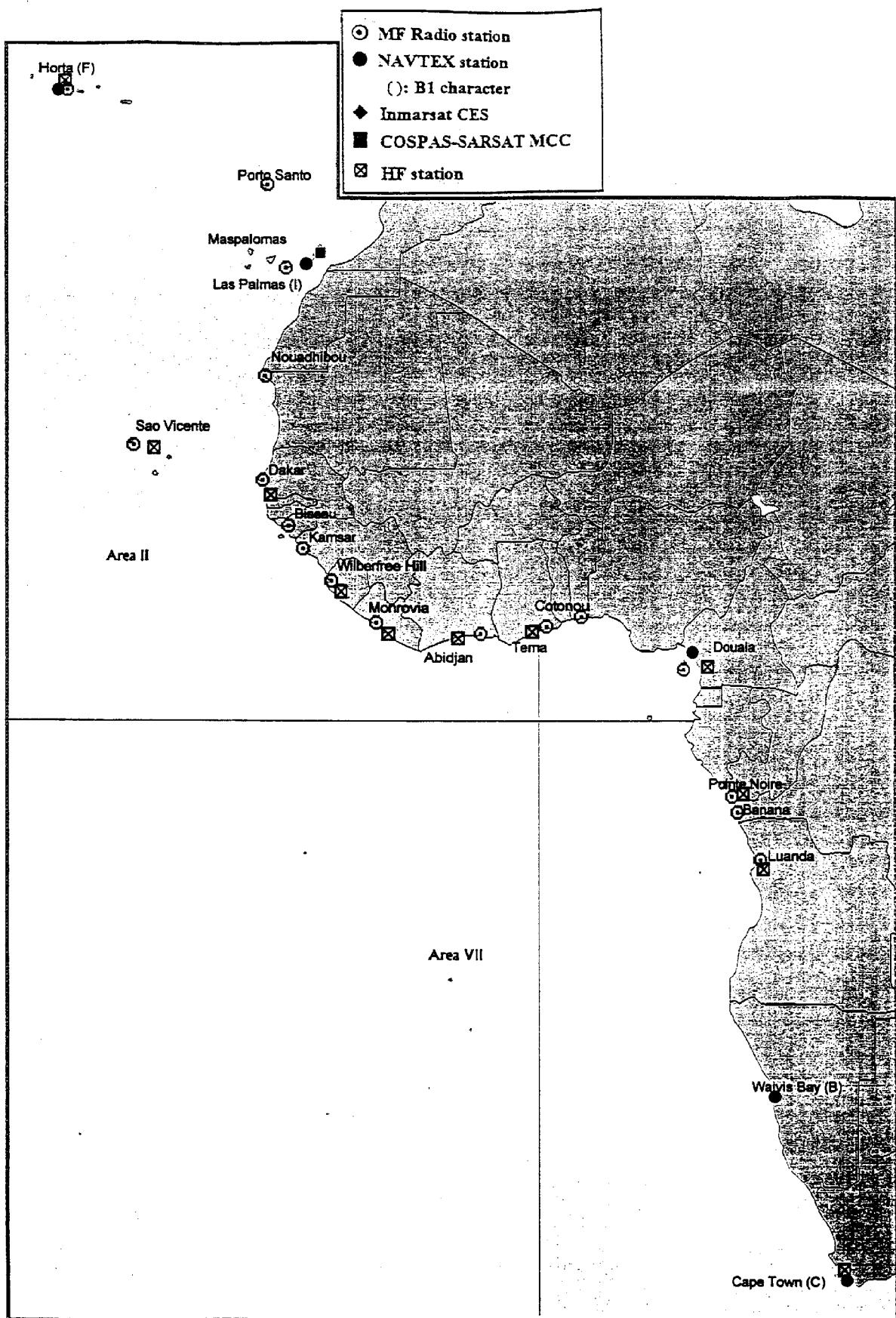
Note:

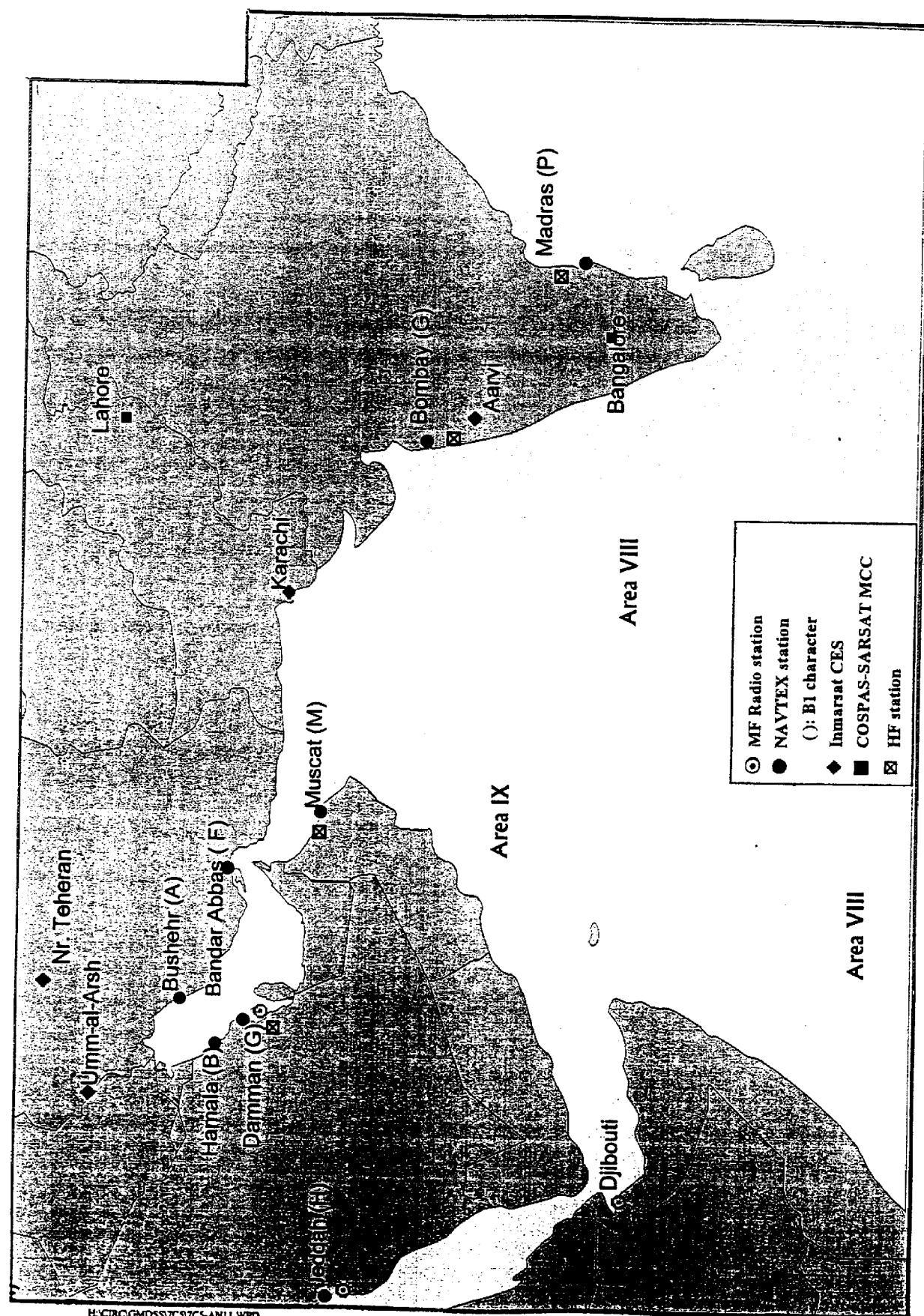
- VHF stations & MF monitor stations are not included.
- These maps contain all operational and planned stations without distinction.
- "Area" means NAVAREA & METAREA.

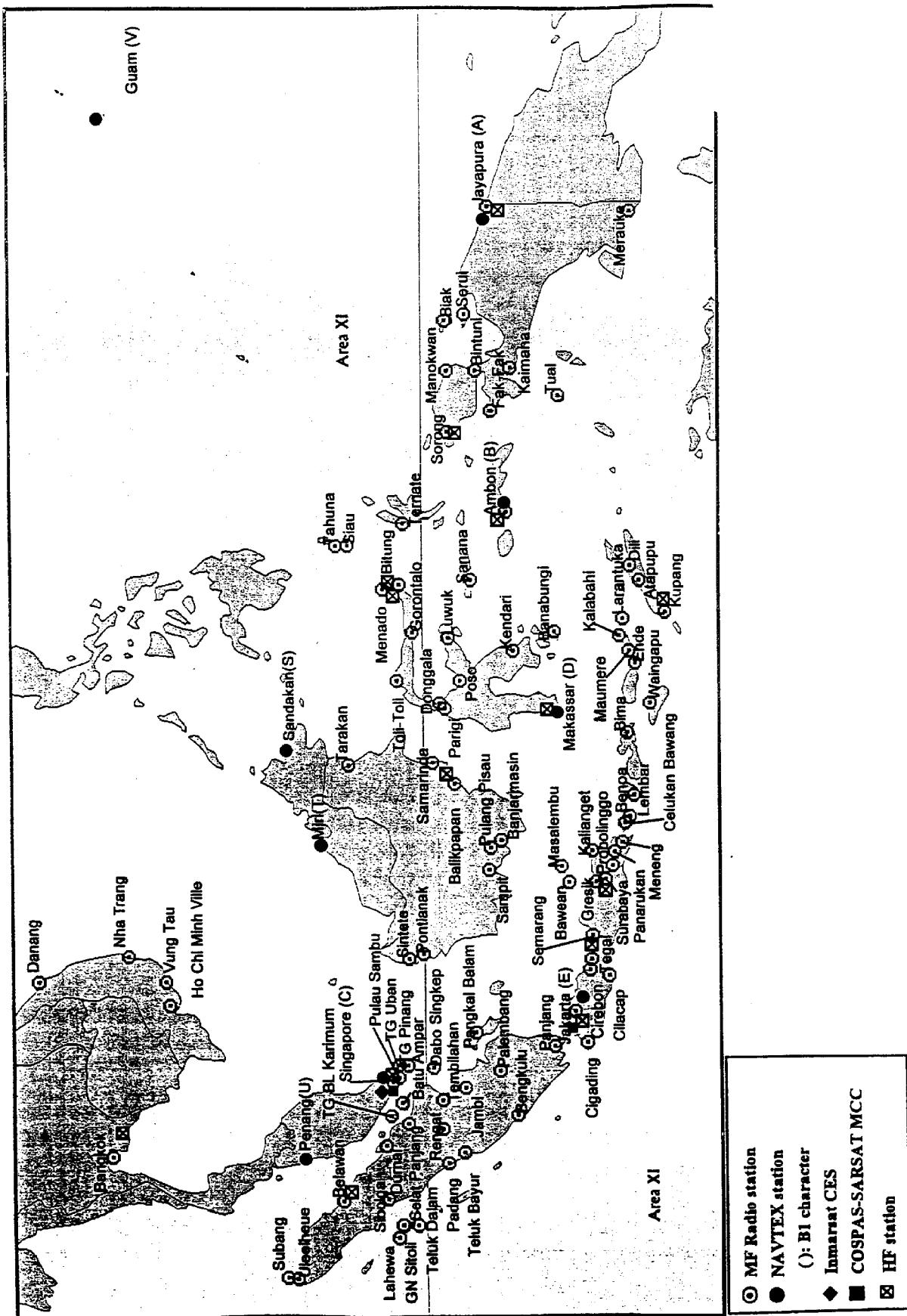




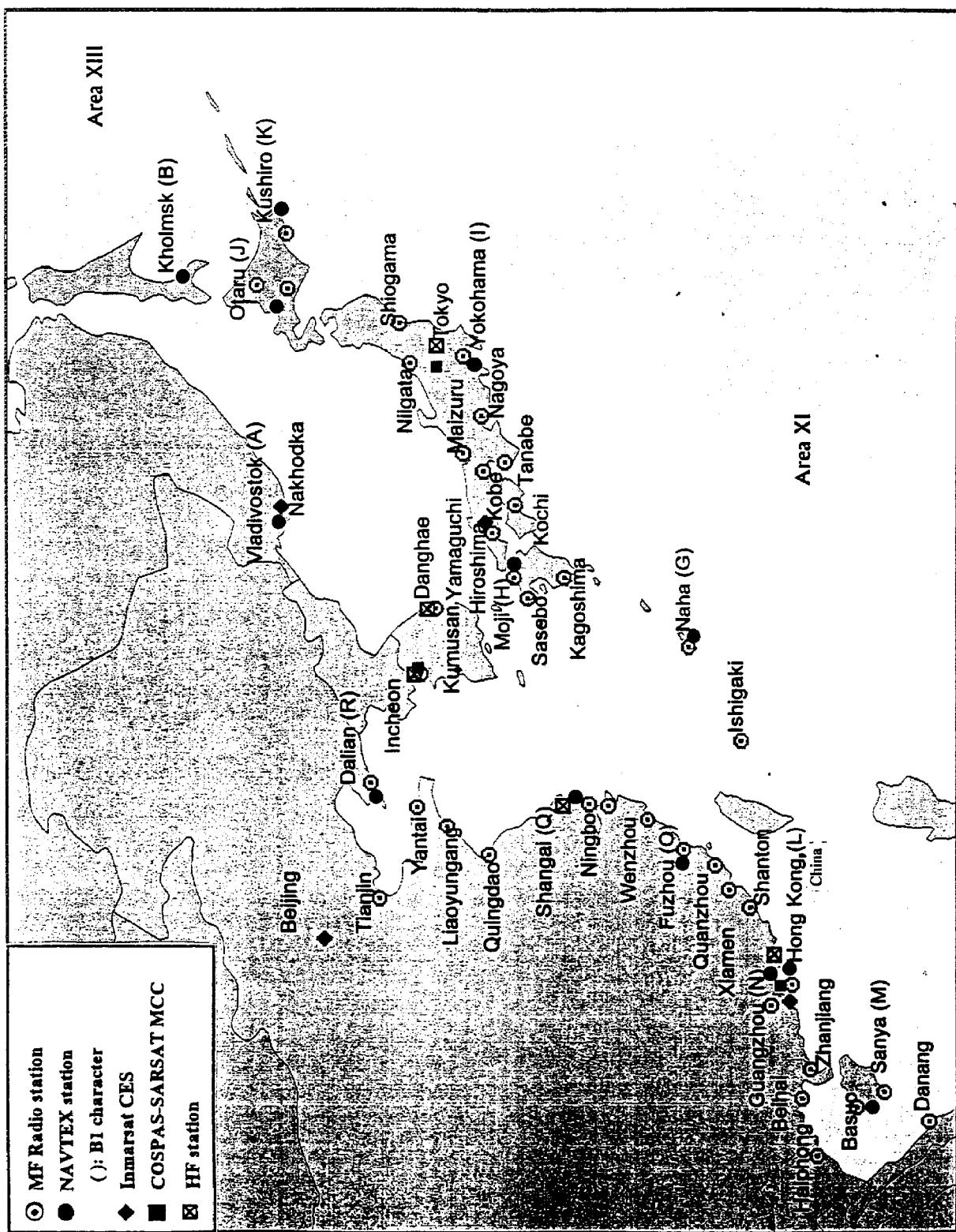


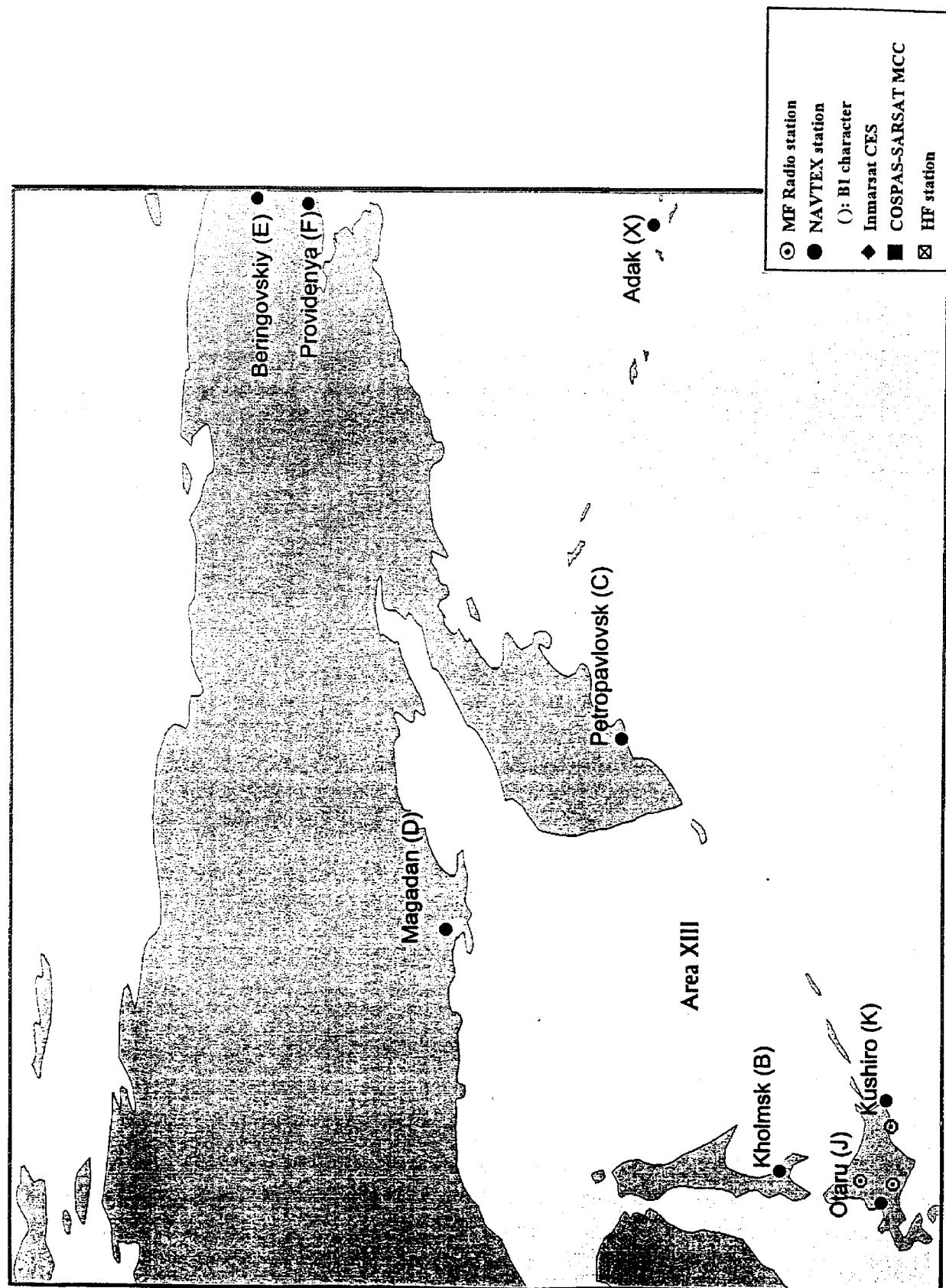


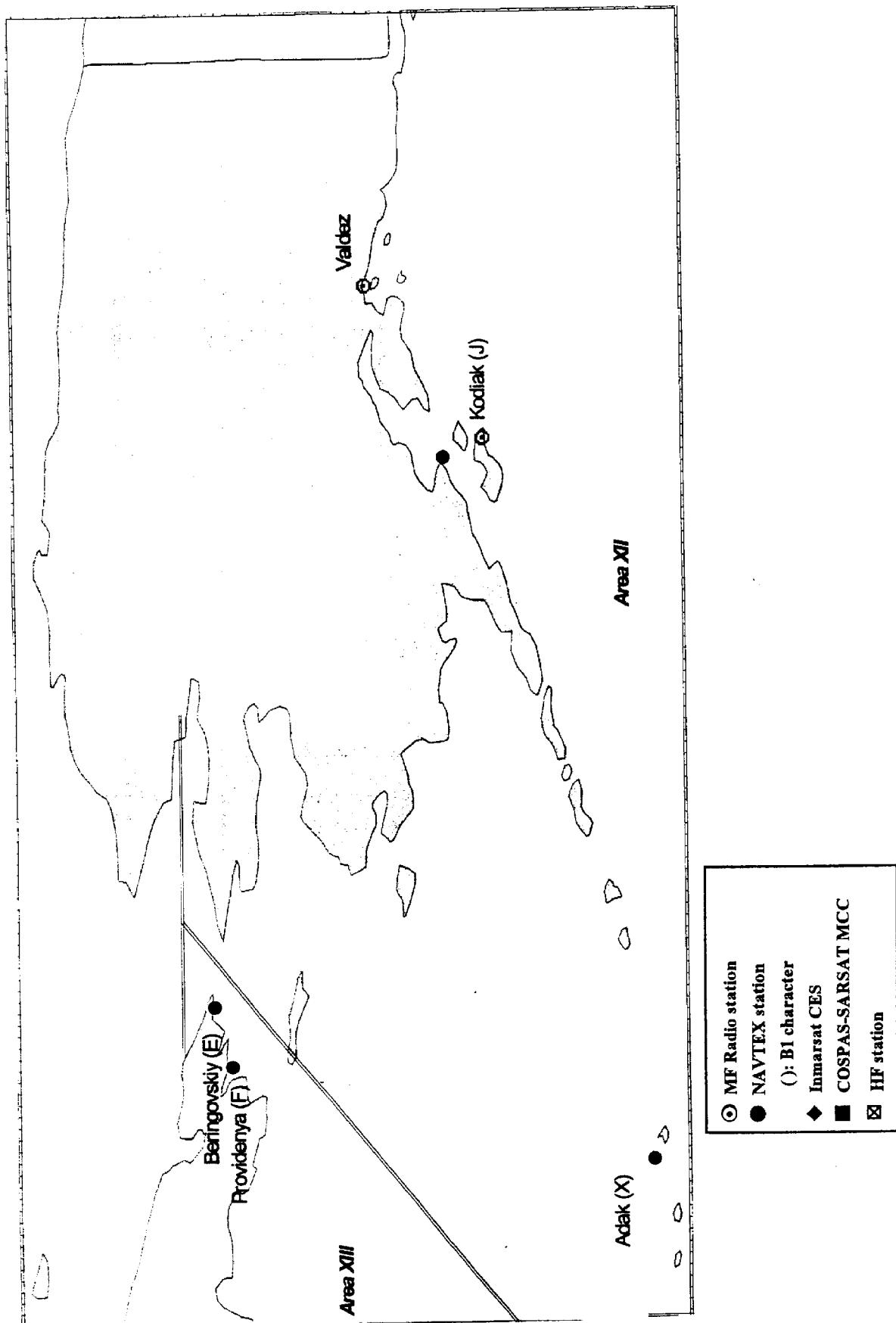


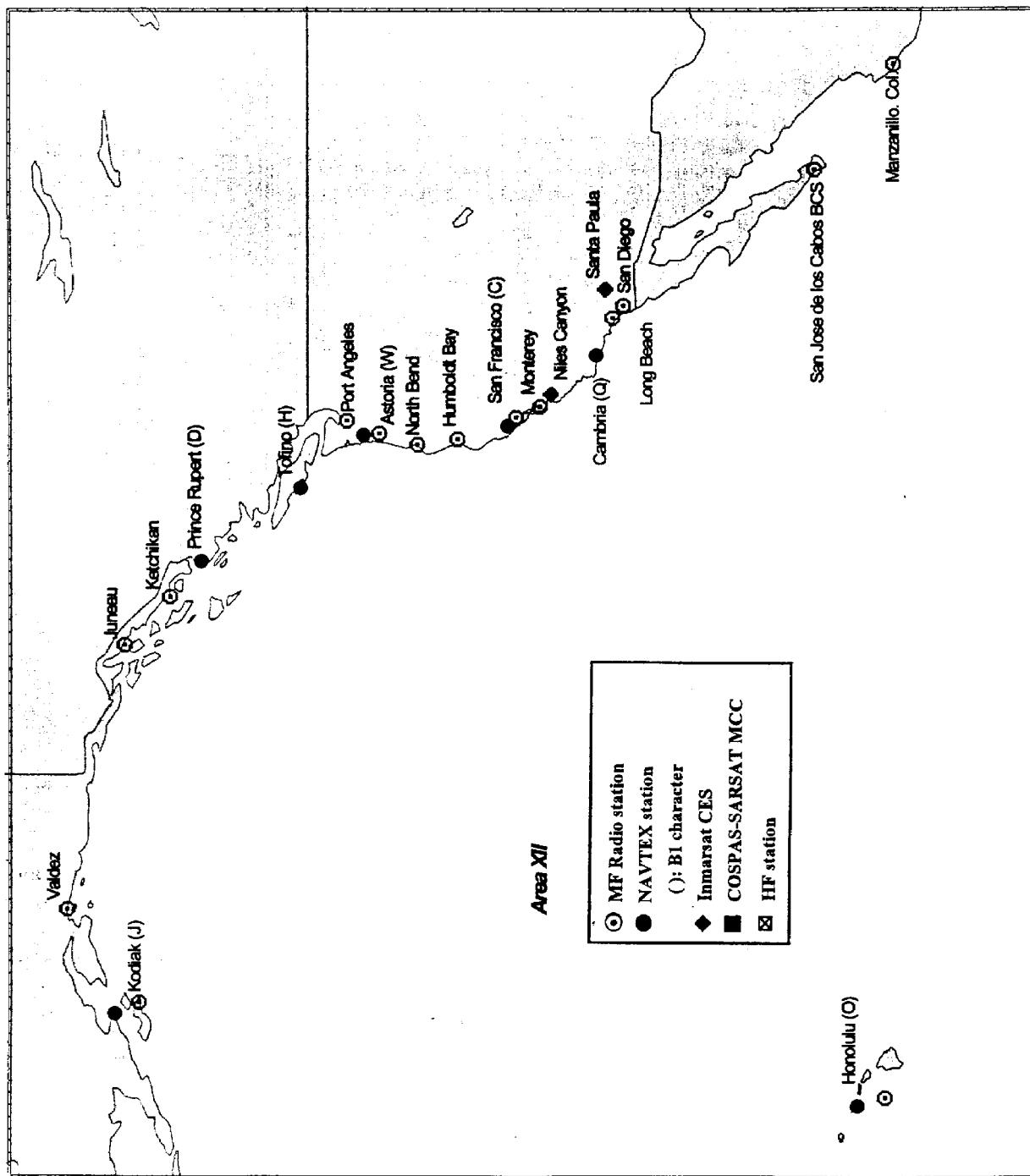


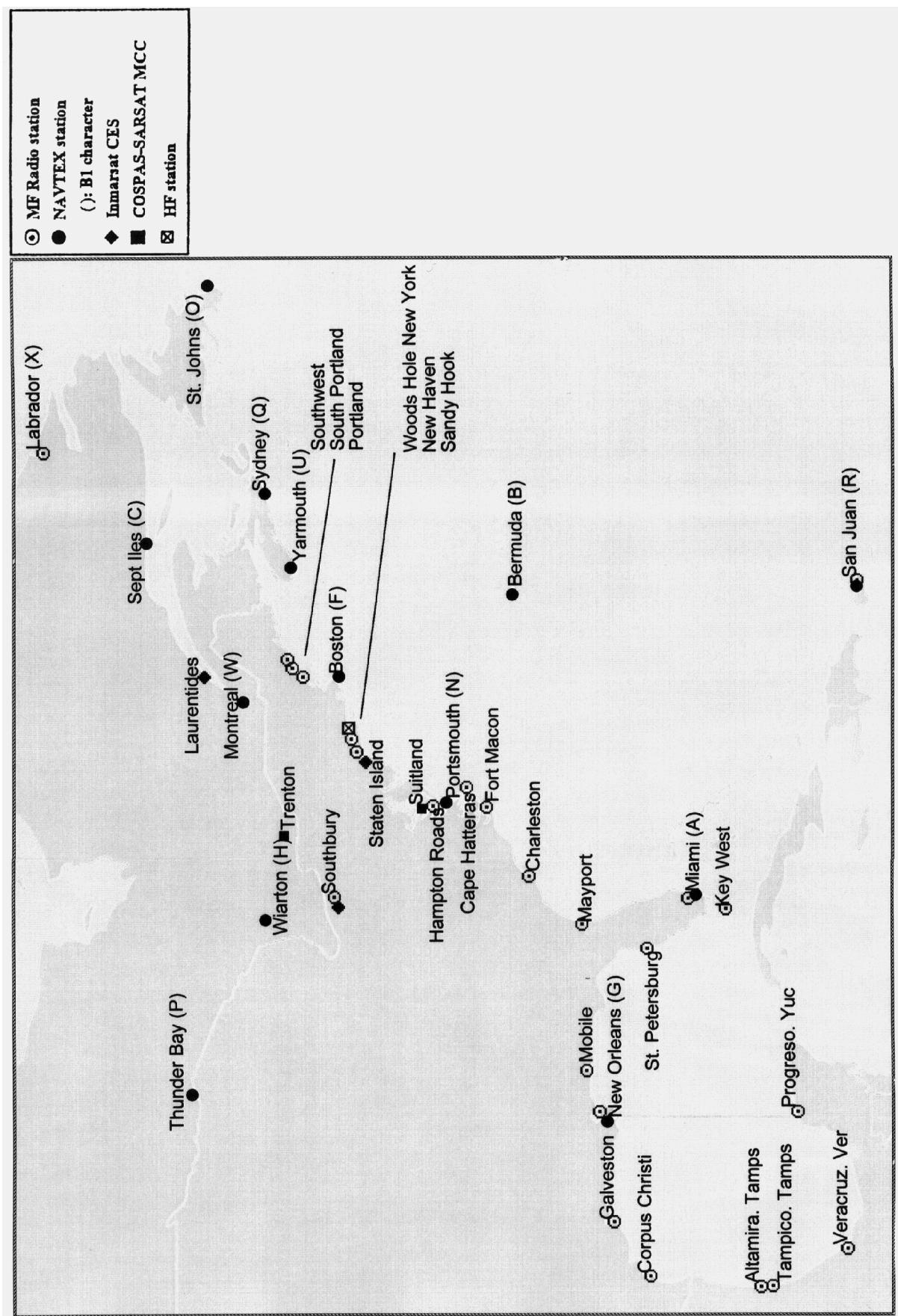


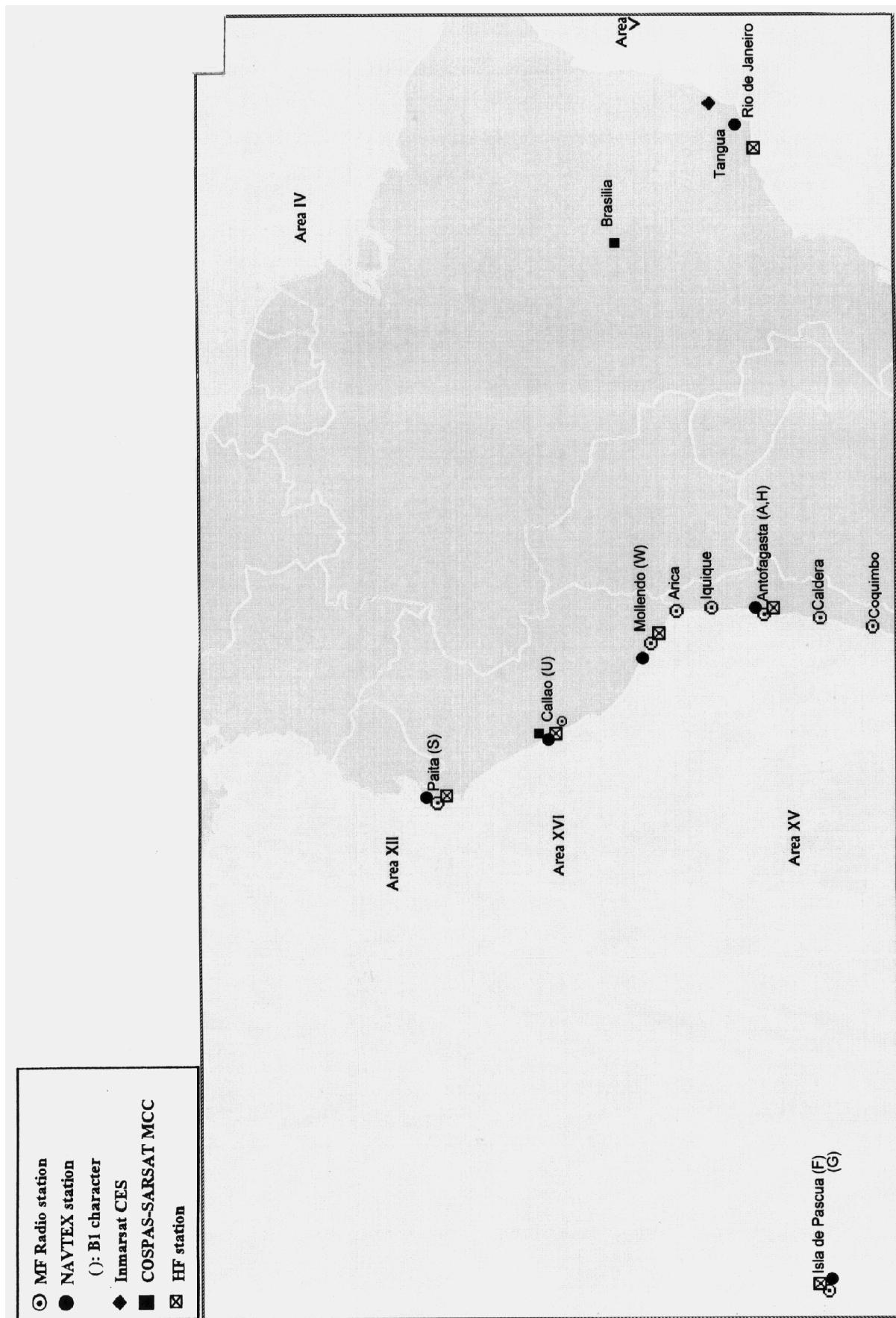


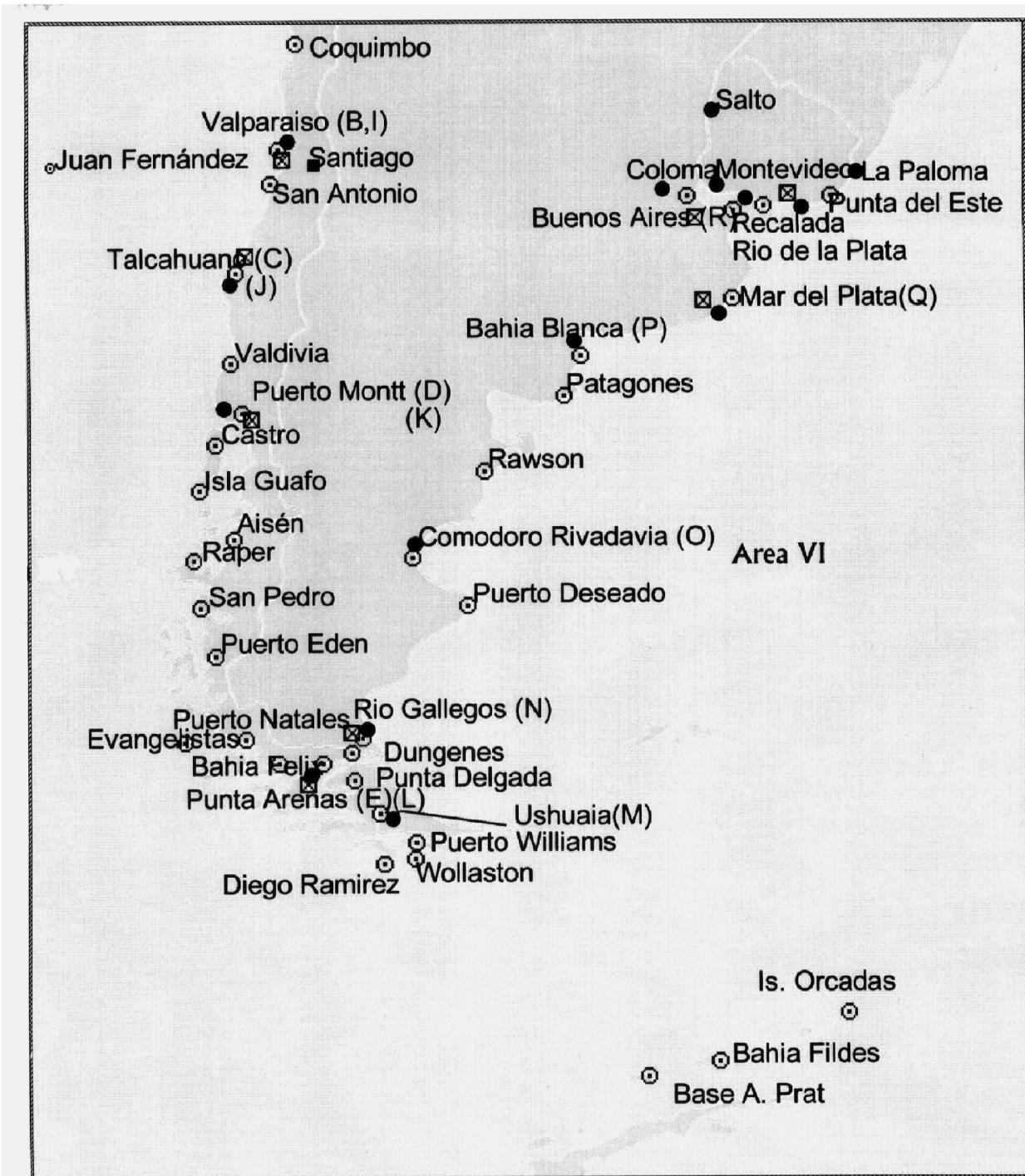












- ◎ MF Radio station
- NAVTEX station
- (): B1 character
- ◆ Inmarsat CES
- COSPAS-SARSAT MCC
- ☒ HF station

\pm = Used
 X = Not used

ANNEX 12
SATELLITE EPIRB REGISTRATION INFORMATION

Country [MID]	Type used		406MHz EPIRB coding methods			Agency maintaining 406 MHz EPIRB registration database	Frequency of updating database
	406MHz	L-BAND	Serial No.	MMSI	Call Sign		
Argentina [701]	\pm	\pm	\pm	\pm	\pm	National Maritime, Fluvial and Lacustre SAR Agency, <u>Address:</u> Base Naval Puerto Belgrano(CP8111), Buenos Aires, Republica Argentina	<u>Phone:</u> +54(0)-0932-8-7140 +54(0)-0932-8-7150 +54(1)-317-2038 <u>Fax:</u> +54(0)-0932-8-7153
Australia [503]	\pm	\pm	\pm	\pm	\pm	Manager Operations, Australian Search and Rescue (Aus SAR) <u>Address:</u> G.P.O.Box 2181, Canberra, Act 2601, Australia	<u>Phone:</u> +61-2-6230-6811 <u>Fax:</u> +61-2-6230-6868 <u>Telex:</u> +71-62349 <u>AFTN:</u> YSARYCYX <u>Internet:</u> RCC@amsa.gov.au
Belgium [205]	\pm	\pm	X	\pm	X	IBPT (Institut belge des Services Postaux et des Telecommunications) <u>Address:</u> Sterrenkundelaan No.14, P.O.Box 21, B-1210 BRUXELLES	<u>Phone:</u> +32-2-226-8856 <u>Telex:</u> +32-2-226-8802 (Monday to Friday 0600-1500 UTC)
Bermuda(UK) [310]	\pm	X	X	\pm	X	Department of Telecommunications <u>Address:</u> Golinsky Building, 60 Reid Street Hamilton HM1R, P.O. Box HM101 HAMILTON HMAX, Bermuda	<u>Phone:</u> +1-441-292-4595 <u>Fax:</u> +1-441-295-1462
Brazil [710]	\pm	X	X	\pm	X	Diretoria de Eletronica e Protecao Vo <u>Address:</u> DEPV, Aeroporto Santos Dumont-5º andar Rio de Janeiro, Brazil	<u>Phone:</u> +55-21-2125-240 2122-065 <u>Fax:</u> +55-21-2125-233
Bulgaria [207]	\pm	X.	\pm	X	\pm	State Shipping Inspectorate <u>Address:</u> 5n Primorski Boulevard, 9000Varna, Bulgaria	<u>Phone:</u> +359-52-603113 +359-52-602317 <u>Fax:</u> 67-77460

Country [MID]	Type used		406MHz EPIRB coding methods			Agency maintaining 406 MHz EPIRB registration database	Frequency of updating database
	406MHz	L-BAND	Serial No.	MMSI	Call Sign		
Canada [316]	±	X	±	X	X	Department of Communications Canadian Coast Guard <u>Address:</u> 9th Floor, Canada Building, 344 Slater Street, Ottawa, Ontario, K1A 0N7, Canada	Phone: +1-613-990 3124 Fax: +1-613-996 8902 Daily with 365 day annual review
Chile [725]	±	X	X	±	X	Direccion General del Territorio Maritimo y de Marina Mercante (D.G.T.M y MM) <u>Address:</u> Errazuriz 537, Valparaiso, Chile	Phone +56-32-208283 +56-32-208284 Fax: +56-32-208042 +56-32-208296 Telex: 34 230602 DGTM CL 34 330607 ANGEL CK
China [412]	±	N.I.	N.I.	±	N.I.	China Maritime Search and Rescue Centre <u>Address:</u> 11 Jianguomennei Ave.,Beijing,100736, China	Phone: +86-10-65292221 +86-10-65292218 Fax: +86-10-65292245 Telex: 222258 CMSAR CN As required
Colombia [730]	±	N.I.	N.I.	N.I.	N.I.	Departamento Administrativo de Aeronautica Civil <u>Address:</u> Bogota, Colombia	Phone: +57-1-4139598 +57-1-4139638 Fax: +57-1-4138091 Telex: 35-44844 35-44620
Costa Rica [321]	±	N.I.	N.I.	N.I.	N.I.	Central America Search and Rescue Point of Contact	Fax: +55-21-2200515 Telex: 3912137113
Croatia [238]	±	X	X	±	X	Harbour Master's Office (Open 24 hours a day) <u>Address:</u> 51000 Rijeka, Senjsko pristanište 3, Croatia	Phone: +385-51-214-031 51-212-474 Fax: +385-51-212-696 51-211-660 Every 10 days

Country [MID]	Type used		406MHz EPIRB coding methods			Agency maintaining 406 MHz EPIRB registration database	Frequency of updating database	
	406MHz	L-BAND	Serial No.	MMSI	Call Sign			
Cyprus [209] [210] [212]	±	X	X	±	X	Department of Merchant Shipping P.O.Box 6193, CY3305 LIMASSOL/CYPRUS ----- RCC LARNACA CY6650 LARNACA/CYPRUS ----- Cyprus Radio P.O.Box 4929, CY1396 NICOSIA/Cyprus	<u>Phone:</u> +357-5-848100 <u>Fax:</u> +357-5-848200 <u>Telex:</u> 605 2004MERSHIPCY <u>Phone:</u> ----- <u>Fax:</u> +357-4-630723 <u>Telex:</u> +357-4-643254 605 4158 RCCCY CY <u>Phone:</u> ----- <u>Fax:</u> +357-2-702286 <u>Telex:</u> +357-2-702392 605 7888 CYPRADIO CY	On a regular basis once a year and Occasionally
Denmark [219]	±	N.I.	N.I.	N.I.	N.I.	RCC Karup <u>Address:</u> Flyveraktisk Kommando RČC Karup, Koelvraa DK-7470 Karup J, Denmark	<u>Phone:</u> +45-99624950 ext.5631 <u>Fax:</u> +45-99624954 <u>Telex:</u> 66160(Rescue DK) <u>AFTN:</u> EKMCYCYX	
Ecuador [735]	±	N.I.	N.I.	N.I.	N.I.	Fuerza Aerea Ecuatoriana	<u>Phone:</u> +593-2-570622 <u>Telex:</u> 3648(SUDBAC ED) <u>AFTN:</u> SEGUZQZX	
Egypt [622]	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	
El Salvador [359]	±	N.I.	N.I.	N.I.	N.I.	Central America Search and Rescue Point of Contact	<u>Fax:</u> +55-21-2200515 <u>Telex:</u> 3912137113	
Estonia [276]	±	±	±	±	X	MRCC Tallinn <u>Address:</u> Susta 15, EE0017, Tallinn, Estonia	<u>Phone:</u> +372-639-9500 639-9502 <u>Fax:</u> +372-639-9501 <u>Telex:</u> (537) 173341 PIIR EE	Continuous
Færøe Islands(Denmark) [231]	±	N.I.	N.I.	N.I.	N.I.	RCC Karup <u>Address:</u> Flyveraktisk Kommando RČC Karup, Koelvraa DK-7470 Karup J, Denmark	<u>Phone:</u> +45-99624950 ext.5631 <u>Fax:</u> +45-99624954 <u>Telex:</u> 66160(Rescue DK) <u>AFTN:</u> EKMCYCYX	

Country [MID]	Type used		406MHz EPIRB coding methods			Agency maintaining 406 MHz EPIRB registration database	Frequency of updating database
	406MHz	L-BAND	Serial No.	MMSI	Call Sign		
Finland [230]	±	±	X	±	X	MRCC Helsinki <u>Address:</u> P.O. Box 150, FIN-00161, Helsinki, Finland	Phone: +358-0-667766 Fax: +358-0-631670 Telex: 57-124777 (SLMKJ FIN)
France [227] [228]	±	±	N.I.	±	X	MRCC Etel (EPIRBs) Centre Regional Operationnel de Surveillance et de Sauvetage BP 48, 56410 Etel France ----- FMCC/DGAC (ELTs, PLBs)	Phone: +33- 29-755-3535 Fax: +33- 29-755-4934 Telex: 950519 AFTN: LFIEYYYX ----- Phone: +33- 56-125-4382 Fax: +33- 56-127-4878 Telex: 530800 NCSAR A AFTN: LFIAZSZX
Germany [211] [218]	±	±	X	±	X	RCC Goch	Phone: +49-282-33333 Fax: +49-282-33335 Telex: 811885 (first word of text: Att:SAR) AFTN: ETRACYX
Greece [237] [239]	±	±	X	±	X	RCC Piraeus <u>Address:</u> 150 Gr.Lampraki St., GR-185 18 Piraeus, Greece	Phone: +30-1-4112500 (emergency) 4220772(emergency) 4191369 4191126 4191325 Fax: +30-1-4115798 4191561 4117801 4224417 4132398 Telex: +601-211588 RCC GR 211254 RCCGR 212239 YEN GR 212273 YEN GR 213594 YEN GR AFTN: LGGGYCYX Inmarsat A Inmarsat C 1133207 RCCG 423767310 RCCG (AOR-E/IOR)
Greenland(Denmark) [331]	±	N.I.	N.I.	N.I.	N.I.	RCC Karup <u>Address:</u> Flyveraktisk Kommando RCC Karup, Koelvraa DK-7470 Karup J, Denmark	Phone: +45-99624950 ext.5631 Fax: +45-99624954 Telex: 66160(Rescue DK) AFTN: EKMCYCYX

Country [MID]	Type used		406MHz EPIRB coding methods			Agency maintaining 406 MHz EPIRB registration database	Frequency of updating database
	406MHz	L-BAND	Serial No.	MMSI	Call Sign		
Iceland [251]	±	X	X	±	X	Post- and Telecom Administration Smidjuvegur 68-70 IS-200 Kopavogur Iceland	Phone: +354-510 1500 Fax: +354-510 1509
India [419]	±	N.I.	N.I.	N.I.	N.I.	Satellite Communications Programmes, Department of Space <u>Address:</u> ISRO Headquaters, Antariksh Bhaven, New B.E.L. Road, Bangalore-560 094, India	Phone: +91-80-334273 334474 Fax: +91-80-334229 Telex: 81-8452499
Indonesia [525]	±	N.I.	N.I.	N.I.	N.I.	BASARNAS, National SAR Agency <u>Address:</u> Bandara Soekarno-Hata Building 628, Jakarta, Indonesia	Phone: +62-21-5501512 +62-21-5501513 Fax: Telex: 73-45937
Ireland [250]	±	N.I.	N.I.	N.I.	N.I.	Shannon MRCC	Phone: +353-61-61219 +353-61-61969 Telex: 26262 (MRCC EI) AFTN: EINNYCYX
Italy [247]	±	N.I.	±	±	±	ITMCC <u>Address:</u> Via D'Annunzio, 7 Bari Palese, Italy	Phone: +39-80-5316250 +39-80-5316254 Fax: Telex: 811375 AFTN: CIBD252X e-mail: ITMCC@PANGEANET.IT
Japan [431]	±	X	X	±	X	Japan Mission Control Centre (JAMCC), Japanese Maritime Safety Agency <u>Address:</u> 2-1-3 Kasumigaseki, Chiyoda-ku, Tokyo, 100 Japan	Phone: +81-3-3591-9000 +81-3-3591-9000 Telex: 2225193(JMSAHQJ) AFTN: RJAAYKYX
Korea, Republic of [440]	±	±	X	±	X	Korean Mission Control Centre (KOMCC) <u>Address:</u> 1-105, Buksung-Dong, Jung-Gu, Inchon, 400-201 Republic of Korea	Phone: +82-42-861-2330 +82-42-861-2331 Fax: Telex: K 45502

Country [MID]	Type used		406MHz EPIRB coding methods			Agency maintaining 406 MHz EPIRB registration database	Frequency of updating database
	406MHz	L-BAND	Serial No.	MMSI	Call Sign		
Latvia [275]	±	X	±	±	X	Maritime Administration of Latvia <u>Address:</u> Andrejsala 4, Riga, Latvia LV-1045	Phone: +371-7320100 Fax: +371-7320100 Telex: Inmarsat A 161396 MRCC LV 871 1420154
Liberia [636]	±	±	X	±	±	International Registries, Inc <u>Address:</u> 11495 Commerce Park Drive, Reston, Virginia 20191, USA	Phone: +1-703-620-4880 (working hours) +1-703-620-4766 (after hours) Fax: +1-703-476-8522 Telex: 248403
Lithuania [277]	±	N.I.	N.I.	N.I.	N.I.	State Radio Frequency Service <u>Address:</u> 27 Algerdo Street Vilnius 2006, Lithuania	Phone: +370-226-1177 Fax: +370-226-1524 Telex: 261111 VRDT SU
Madagascar [647]	±	N.I.	N.I.	N.I.	N.I.	RCC Antananarivo Centre de Coordination Recherches et Sauvetage P.O.Box 46, Antananarivo, Ivato 105 Madagascar	Phone: +221-2022-44410 Telex: 22286 ASE MAD MG
Malta [248] [249] [256]	±	±	X	±	X	Wireless Telegraphy Dept., <u>Address:</u> Evans Building, Merchants Street, Valletta CMR 02 Malta	Phone: +356-25993624 +356-247224-8 Fax: +356-232728 +356-233695 Telex: 0 406-1471 (MODMLT MW)
Marshall Islands [538]	±	±	X	±	±	International Registries, Inc <u>Address:</u> 11495 Commerce Park Drive, Reston, Virginia 20191, USA	Phone: +1-703-620-4880 (working hours) +1-703-620-4766 (after hours) Fax: +1-703-476-8522 Telex: 248403
Mexico [345]	±	N.I.	N.I.	N.I.	N.I.	RCC Mexico City	Phone: +52-5-5713030 +52-5-5713230 Fax: +52-5-7625741 +52-5-5234751 +52-5-6877660 +52-5-6877680 Telex: 1760236(ACLIME)

Country [MID]	Type used		406MHz EPIRB coding methods			Agency maintaining 406 MHz EPIRB registration database	Frequency of updating database
	406MHz	L-BAND	Serial No.	MMSI	Call Sign		
Netherlands [244] [245] [246]	±	X	X	±	X	Ministry of Transport <u>Address:</u> P.O.Box 450, 9700 AL Groningen, Van Sweientenlaan 27, The Netherlands	Phone: +31-50-222111 Fax: +31-50-135645 Telex: 77154
New Zealand [512]	±	N.I.	N.I.	N.I.	N.I.	Civil Aviation Athority <u>Address:</u> I, Market Grove, P.O. Box 31441 Lower Hutt, New Zealand	Phone: +64-4-5600400 Fax: +64-4-5665030
Nicaragua [350]	±	N.I.	N.I.	N.I.	N.I.	Central America Search and Rescue Point of Contact	Fax: +55-21-2200515 Telex: 3912137113
Norway [257] [258] [259]	±	X	X	±	X	Teledirektoratet / TTI <u>Address:</u> P.O.Box 6701 ST Olavs PL, N-0130, Oslo, Norway ----- [For 24 hours contact] RCC Bodoe RCC Stavanger	Phone: +47-2-2777519 Fax: 2488990 Telex: +47-2-2201136 11206 (TINSP N) ----- ----- Phone: +47-755-21267 Fax: +47-755-24200 Telex: 64302 Phone: +47-51-51-7000 Fax: +47-51-65-2334 Telex: 33163
Pakistan [463]	±	N.I.	N.I.	N.I.	N.I.	Satellite Communication Division SPARC <u>Address:</u> P.O. Box 8402, Karachi 75270, Pakistn	Phone: +92-21-471001-5 7730312 Fax: +92-21-466902 Telex: 82-25720(SPACE PK)
Peru [760]	±	X	±	X	X	Centro de Control de Misiones del Peru <u>Address:</u> Calle Constitucion 130, Callao1 Peru	Phone: +51-1-4200355 4200766 4292458 4291735 Fax: +51-1-4202020 4200766 Telex: 26043(PE DICAPI) Internet postmast@pemcc.mil.pe

Country [MID]	Type used		406MHz EPIRB coding methods			Agency maintaining 406 MHz EPIRB registration database	Frequency of updating database
	406MHz	L-BAND	Serial No.	MMSI	Call Sign		
Philippines [548]	±	N.I.	N.I.	N.I.	N.I.	Manila RCC <u>Address:</u> Pasay City, Metro Manila, Philippines	Phone: <u>Fax:</u> +63-2-8323013 +63-2-8331577
Poland [261]	N.I.	N.I.	N.I.	N.I.	N.I.	Civil Aviation Department Ministry of Transport and Maritime Economy <u>Address:</u> Ul. T. Chalubinskiego 4 00-928 Warsaw, Poland	Phone: <u>Fax:</u> <u>Telex:</u> +48-2- 2244-195 +48-2- 2296-378 63-816651
Portugal [204] [255] [263]	±	±	X	±	X	Direcção-Geral de Portos, Navegação e Transportes Marítimos <u>Address:</u> Edifício Vasco da Gama, Cais Alcantara Mar 1350 Liaboa, Portugal ----- [For 24 hours contact] MRCC Lisboa <u>Address:</u> Reduto Gomes Freire, 2780 Oeiras	Phone: <u>Fax:</u> +351-1-3913529 +351-1-3979794 ----- ----- <u>Fax:</u> <u>Telex:</u> +351-1-441-6159 404-60747P
Romania [264]	±	X	X	±	X	Constanta Harbour Master <u>Address:</u> Incinta Port 8700 Constanta, Romania	Phone: +40-41-616431 617545 619100 (ext.1609 or 1232) <u>Fax:</u> +40-41-616431 617545 <u>Telex:</u> 14209 CPT
Russian Federation [273]	±	±	±	±	X	Morsviazsputnik <u>Address:</u> 14/19 Novoslobodskaya St. Building 7 Moscow 103030, Russia	Phone: +7-095-9671860 9671862 <u>Fax:</u> +7-095-9671855 9671830 <u>Telex:</u> 64-411197 A MMF SU
Singapore [563] [564]	±	±	X	±	±	Marine and Port Authority <u>Address</u> Yokbirs, 380, YIO CHU KANG Road, A03-00 Singapore 805942 Singapore	Phone: <u>Fax:</u> <u>Telex:</u> +65-1800 4816231 4818050 34842

Country [MID]	Type used		406MHz EPIRB coding methods			Agency maintaining 406 MHz EPIRB registration database	Frequency of updating database
	406MHz	L-BAND	Serial No.	MMSI	Call Sign		
South Africa [601]	±	X	±	±	±	MRCC Cape Town <u>Address:</u> Private Bag X8, Tokai, 7966 Cape Town, South Africa	Phone: +27-21-787-2222 Fax: +27-21-787-2337 Telex: 95-527722
Spain [224]	±	X	X	±	±	Area de Inspeccion Radiomaritima Direccion General de la Marina Mercante <u>Address:</u> Calle Ruiz de Alarcon, 1 28071 Madrid, Spain	Phone: +34-1-580-1463 580-1456 580-1400 Fax: +34-1-580-1432 580-1514
Suriname [765]	±	N.I.	N.I.	N.I.	N.I.	Department of Civil Aviation P.O.Box 1981, Zorg en Hoop, Paramaribo-South, Surinam	Phone: +597-497914 +597-498898 Telex: 148(CIVPBMM SN) SMPBYAYX
Sweden [265]	±	±	±	±	±	National Telecom Agency <u>Address:</u> Box 5398 S-10249 Stockholm, Sweden	Phone: +46-8678-5500 Fax: +46-8678-5505
Switzerland [269]	±	X	±	±	±	Schweizerisches Seescifffahrtsamt <u>Address:</u> Elisabethenstrasse 31, CH-4010 Basel Switzerland	Phone: +41-61-287-1444 Fax: +41-61-287-1570
Thailand [567]	±	N.I.	N.I.	N.I.	N.I.	RCC Bangkok	Phone: +66-2860594 Telex: 72099(DEPAVIA TH) AFTN: VTBAYCYX
Turkey [271]	±	±	X	±	X	Undersecretariat for Maritime Affairs <u>Address:</u> Anit Cd.N:8 Tando-an/ANKARA, Turkey	Phone: +90-312-2128061 /421 +90-312-2127997 Telex: +90-312-2128453
Ukraine [272]	±	N.I.	N.I.	N.I.	N.I.	Cospas Mission Centre (CMC) <u>Address:</u> 1/4 Rozhdestvenka St. Moscow 103759, Russia	Phone: +7-095-9261374 Fax: +7-095-9269375 Telex: 411469A or 411469B (COPA SU)

Country [MID]	Type used		406MHz EPIRB coding methods			Agency maintaining 406 MHz EPIRB registration database	Frequency of updating database
	406MHz	L-BAND	Serial No.	MMSI	Call Sign		
United Arab Emirates [470]	±	N.I.	N.I.	N.I.	N.I.	Emirates RCC	Phone: +971-2-757388 Telex: 22475(ADIAAS EM) AFTN: OMAAYC
United Kingdom [232]	±	±	±	X	X	EPIRB Registry Maritime and Coastguard Agency Address: MRCC Falmouth, Pendennis Point, Castle Drive, Falmouth TRII 4WZ, U.K.	Phone: +44-1326-211569 Fax: +44-1326-319264 Telex: 45560
United States [366] [367] [368]	±	X	±	X	X	NOAA/NESDIS Address: Federal Office Building 4, Room 0158, Code: E/SP3, Washington, D.C.20233, USA	Phone: +1-301-457-5428 Fax: +1-301-457-5406 Telex: 230-7400649
Vanuatu [576]	±	X	X	±	X	Vanuatu Maritime Services Address: 90 Washington - 22nd Floor, New York NY 10006, USA	Phone: +1-212-4259600 Fax: +1-212-4259652 Telex: 229346 Van Mar Svcs
Venezuela [775]	±	N.I.	N.I.	N.I.	N.I.	RCC Maiquetia	Phone: +58-31-27601(RCC) +58-31-22372(RCC) +58-31-28751(RCC) +58-31-26620(SAR) +58-31-25385(SAR) +58-31-26409(SAR) +58-2-5092264 +58-2-5092210 (AeroCivil) +58-31-23269(RCC) +58-2-5744035 (Aero.Civil) Telex: 28022(MICACVC) 24626(MICTAVC) AFTN: SVSCYFYX
Associate Member of IMO Hong Kong, China [477]	±	X	±	±	±	SAR Section, Marine Department Address: P.O. Box 4155, Hong Kong	Phone: +852-5433558 Fax: +852-5417714 Telex: 802-82952 MRCC HX

* * *

ANNEX 13

LIST OF 24 HOUR POINTS OF CONTACT
FOR MMSI SHIP'S IDENTIFICATION

Country [MID]	24 hour point of contact (Agency maintaining national database for MMSI-number)	Frequency of updating MMSI database	
		National database	ITU database ⁱ
Argentina [701]	National Maritime, Fluvial and Lacustre SAR Agency, <u>Address:</u> Base Naval Puerto Belgrano(CP8111), Buenos Aires, Republica Argentina	<u>Phone:</u> +54(0)-0932-8-7140 +54(0)-0932-8-7150 +54(1)-317-2038 <u>Fax:</u> +54(0)-0932-8-7153	Dairy Monthly
Australia [503]	Manager Operations, Australian Search and Rescue (Aus SAR) <u>Address:</u> G.P.O.Box 2181, Canberra, Act 2601, Australia	<u>Phone:</u> +61-2-6230-6811 <u>Fax:</u> +61-2-6230-6868 <u>Telex:</u> +71-62349 <u>AFTN:</u> YSARYCYX <u>Internet:</u> RCC@amsa.gov.au	When new numbers are issued Quarterly
Belgium [205]	Radio Maritime Service <u>Address</u> Perronstraat 6, 8400, Oostendo	<u>Phone:</u> +32-59-706 565 <u>Fax:</u> +32-59-701 339 <u>Telex:</u> 46 81257	Monthly
Bermuda(UK) [310]	RCC Bermuda <u>Address:</u> 9 Ft George Hill, St.George's GE01 Bermuda	<u>Phone:</u> +1-441-297-1010 <u>Fax:</u> +1-441-297-1530 <u>Telex:</u> 3208 RCC BA <u>Internet:</u> rccbda@ibl.bm	As required
Brazil [710]	MRCC Brazil <u>Address</u> Comando de Operacoes Navais Praça Barão de Ladário, s/n Ed. Alte. Tamandaré, 6º andar Centro, Rio de Janeiro - RJ	<u>Phone:</u> +55-21-216-6056 <u>Fax:</u> +55-21-216-6038 <u>Telex:</u> 21-35231	
Canada [316]	Industry Canada(Attention: Mark Hanrahan) [OPEN 0800-1630 hrs.] <u>Address</u> Journal Tower North, 300 Slater Street, Ottawa, Ont. Canada, K1A OC8	<u>Phone:</u> +1-613-998 3431	As required Annually (Denise Duchesne phone; +1-613-991 9421)
Chile [725]	MRCC Chile <u>Address</u> Servicio de Busqueda y Rescate Marítimo (SERBREM), Errazuriz 537, Valparaíso, Chile	<u>Phone:</u> +56-32-208237 <u>Fax:</u> +56-32-208262 <u>Telex:</u> 034-330607 <u>Internet:</u> mrcchile@directemar.cl	

Country [MID]	24 hour point of contact (Agency maintaining national database for MMSI-number)	Frequency of updating MMSI database		
		National database	ITU database ⁱ	
China [412]	China Maritime Search and Rescue Centre <u>Address:</u> 11 Jianguomennei Ave., Beiging, 100736, China	<u>Phone:</u> +86-10-65292221 +86-10-65292218 <u>Fax:</u> +86-10-65292245 <u>Telex:</u> 222258 CMSAR CN	As required	
Croatia [238]	Harbour Master's Office <u>Address:</u> 51000 Rijeka, Senjsko pristanište 3, Croatia	<u>Phone:</u> +385-51-214-031 51-212-474 <u>Fax:</u> +385-51-212-696 51-211-660	Every 10 days	N.I.
Denmark [219]	MRCC Aarhus	<u>Phone:</u> +45-86123099 ext.5103 <u>Fax:</u> +45-86181140 <u>Telex:</u> 64485		
Færoe Islands(Denmark) [231]	Thorshaven Radio	<u>Phone:</u> +45-29812965 <u>Telex:</u> 81200		
Finland [230]	MRCC Turku <u>Address:</u> PL 16, 20101 Turku Finland	<u>Phone:</u> +358-21-2815803 <u>Fax:</u> +358-21-2500950 <u>Telex:</u> 62249 SMMVE PT		Twice a year
France [227]	MRCC Etel, <u>Address</u> Chateau de la Garenne, Avenue Louis Bougo, 56410 Etel, France	<u>Phone:</u> +33-2 97 55 3535 <u>Fax:</u> +33-2 97 55 4934 <u>Telex:</u> 950519		
Germany [211] [218]	Deutsche Gesellschaft zur Rettung Schiffbrüchiger MRCC Bremen <u>Address</u> Postfach 10 63 40, 28063 Bremen, Germany	<u>Phone:</u> +49-421-53-6870 +49-421-53-68714 <u>Fax:</u> 244754 or 246466 (mrccd) <u>Telex:</u> EDDWYYX <u>AFTN:</u> MRCC BREMEN <u>attn:</u>	Daily	Once a month

Country [MID]	24 hour point of contact (Agency maintaining national database for MMSI-number)	Frequency of updating MMSI database	
		National database	ITU database ⁱ
Greece [237] [239]	Hellenic ministry of merchant marine/Piraeus Joint RCC <u>Address:</u> 150 Gr.Lampraki St., GR-185 18 Piraeus, Greece	<u>Phone:</u> +30-1-4112500 (emergency) 4220772 (emergency) 4191369 4191126 4191325 <u>Fax:</u> +30-1-4115798 4191561 4117801 4224417 4132398 <u>Telex:</u> +601-211588 RCC GR 211254 RCCGR 212239 YEN GR 212273 YEN GR 213594 YEN GR <u>AFTN:</u> LGGGYCYX Inmarsat A Inmarsat C 1133207 RCCG 423767310 RCCG (AOR-E/IOR)	
Greenland(Denmark) [331]	RCC Sondrestrom	<u>Phone:</u> +45-29911201 <u>Fax:</u> +45-29911020 <u>Telex:</u> 90839	
Iceland [251]	MRCC Reykjavik	<u>Phone:</u> +354-113099 <u>Fax:</u> +354-1610240 <u>Telex:</u> 2048	
Italy [247]	Ministero dei Trasporti e della Navigazione Comando Generale delle Capitanerie di Porto - IMRCC <u>Address:</u> Via dell'Arte, No.16, 00144, Roma/EUR, Italy	<u>Phone:</u> +39-6 5924145 5923569 <u>Fax:</u> +39-6 5922737 59084793 <u>Telex:</u> +39-43-611172 614103 <u>e-mail:</u> COGECAP3@FLASHNET.IT	Real time
Japan [431]	Information System Management Division, Japanese Maritime Safety Agency <u>Address:</u> 2-1-3 Kasumigaseki, Chiyoda-ku, Tokyo, 100 Japan	<u>Phone:</u> +81-3-3591-9000 +81-3-3591-9000 <u>Fax:</u> 2225193(JMSAHQJ) RJAAYKYX <u>Telex:</u> <u>AFTN:</u>	Once a month
Korea, Republic of [440]	Korea National Maritime Police Agency <u>Address:</u> 1-105 Buksung-Dong, Jung-Gu, Inchon, Korea 400-201	<u>Phone:</u> +82-32-883-0461 +82-32-881-9595	Once in three months

Country [MID]	24 hour point of contact (Agency maintaining national database for MMSI-number)	Frequency of updating MMSI database		
		National database	ITU database ⁱ	
Latvia [275]	Maritime Administration of Latvia <u>Address:</u> PO Box-10, Andrejsala 4, Riga, Latvia LV-1045	<u>Phone:</u> +371-2-323103 <u>Fax:</u> +371-9-320100 <u>Telex:</u> +371-9-343772 161396 MRCC LV	Regularly	Regularly
Liberia [636]	International Registries, Inc <u>Address:</u> 11495 Commerce Park Drive, Reston, Virginia 20191, USA	<u>Phone:</u> +1-703-620-4880 (working hours) +1-703-620-4766 (after hours) <u>Fax:</u> +1-703-476-8522 <u>Telex:</u> 248403	Continuously	Monthly
Malta [248] [249] [256]	Wireless Telegraphy Dept., <u>Address:</u> Evans Building, Merchants Street, Valletta CMR 02 Malta	<u>Phone:</u> +356-25993624 +356-247224-8 <u>Fax:</u> +356-232728 +356-233695 <u>Telex:</u> 0 406-1471 (MODMLT MW)	Continuously	Periodically
Marshall Islands [538]	International Registries, Inc <u>Address:</u> 11495 Commerce Park Drive, Reston, Virginia 20191, USA	<u>Phone:</u> +1-703-620-4880 (working hours) +1-703-620-4766 (after hours) <u>Fax:</u> +1-703-476-8522 <u>Telex:</u> 248403	Continuously	Monthly
Netherlands [244] [245] [246]	Netherlands Coast Guard Centre/RCC IJmuiden <u>Address</u> P.O.Box 303, 1970, AH IJmuiden, Netherlands	<u>Phone:</u> +31-255034344 <u>Fax:</u> +31-255023496 <u>Telex:</u> 71088(KUSTW-NL)	Daily	Once a month
Norway [257] [258] [259]	RCC Stavanger <u>Address</u> RCC Southern Norway, Sikrings Bygget, 4050 Sola, Norway	<u>Phone:</u> +47-51646061 +47-51517000 <u>Fax:</u> +47-51652334 <u>Telex:</u> 33163 (RCCSN)		
Portugal [204] [255] [263]	MRCC Lisboa <u>Address:</u> Reduto Gomes Freire, 2780 Oeiras	<u>Phone:</u> +351-1-441-6581 <u>Fax:</u> +351-1-441-6159 <u>Telex:</u> 404-60747 P	Daily	Quarterly
Romania [264]	Constanta Harbour Master <u>Address:</u> Incinta Port 8700 Constanta, Romania	<u>Phone:</u> +40-41-616431 617545 619100 (ext.1609 or 1232) <u>Fax:</u> +40-41-616431 617545 <u>Telex:</u> 14209 CPT	Every 3 Months	

Country [MID]	24 hour point of contact (Agency maintaining national database for MMSI-number)	Frequency of updating MMSI database		
		National database	ITU database ⁱ	
Spain [224]	MRCC Madrid	Phone: <u>+34-15801465</u> Fax: <u>+34-15219510</u> Telex: <u>41210</u>		
Sweden [265]	MRCC Göthenburg <u>Address:</u> Box 5158, SE-426 05 Västra Frölunda, Sweden	Phone: <u>+46-31-699 080</u> Fax: <u>+46-31-648 010</u> Telex: <u>5420180 MRCC GBG 5</u>	Continuously	Monthly (only for radio duty ships which equipped with more than VHF)
Turkey [271]	Undersecretariat for Maritime Affairs <u>Address:</u> Anit Cd.N:8 Tando-an/ANKARA, Turkey	Phone: <u>+90-312-2128061 /421</u> Fax: <u>+90-312-2127997</u> <u>+90-312-2128453</u>	Monthly	Quarterly
United Kingdom [232] [233]	MRCC Falmouth <u>Address:</u> HM Coastguard, Pendennis Point, Falmouth, TR11 4WZ, United Kingdom	Phone: <u>+44-1326-317575</u> Fax: <u>+44-1326-318342</u> Telex: <u>45560(FALMCG G)</u>	Daily	Monthly
United States [303] [366] [367] [368]	Federal Communications Commission <u>Address:</u> 1919 M Street NW, Washington, DC 20554	Phone: <u>+1-202-632-6975</u> Fax: <u>+1-202-418-2813</u>	Daily	Monthly
Associate Member of IMO Hong Kong, China [477]	Hong Kong Maritime Rescue Co-ordination Centre <u>Address:</u> G.P.O.4155, Hong Kong	Phone: <u>+852-2545-4645</u> Fax: <u>+852-2541-7714</u> Telex: <u>82952(MRCC HX)</u> AFTN: <u>VHHHYKYX</u>		

ⁱ ITU database = ITU MARS(Maritime mobile Access & Retrieval System).
For detail, contact: "ITU TIES HELPDESK"

Address: ITU TIES, ITU Information Service Department, Place des Nations, 1211 Geneva 20, Switzerland
 TEL: +41-22-730-5054 X.400 e-mail: S=helpdesk;A=arcom; P=itu; C=ch
 FAX: +41-22-730-5337 Internet e-mail: helpdesk@itu.ch

* * *

ANNEX 14

MSC/Circ.684

**QUESTIONNAIRE ON SHORE-BASED FACILITIES FOR THE GLOBAL
MARITIME DISTRESS AND SAFETY SYSTEM (GMDSS)**

1 The Maritime Safety Committee, at its sixty-fifth session (9 to 17 May 1995), approved circulation of the revised questionnaire on shore-based facilities in the GMDSS, attached hereto. The revised questionnaire includes the requests for information on EPIRB Registration Data and International Points of Contact for national Maritime Mobile Service Identities (MMSI), which were circulated to Governments by COM/Circ.126 and MSC/Circ.641, respectively.

2 Governments, including those which have submitted answers to the above-mentioned circulars, are invited to provide or update the information as appropriate.

3 Administrations should submit information obtained, as appropriate, from national authorities responsible for shore-based facilities for the GMDSS, NAV/MET Area Co-ordinators and search and rescue authorities.

4 This questionnaire revokes and replaces MSC/Circ.468/Rev.2, COM/Circ.126 and MSC/Circ.641.

ANNEX 1

Sea Area A1 (Within range of shore-based VHF DSC coverage)

1 Does your Administration intend to establish Sea Area A1 ? YES NO
9 9

Is it operational now ?

YES NO
9 9

If not operational now, indicate the date of operation in the following table.

2 Do they keep fulltime DSC watch on channel 70 ? YES NO
9 9

If not, indicate watch hours in the following table.

3 Indicate details of VHF stations

NAV/ MET Area	Type (Main or Monitor ?) ⁽¹⁾	Name and position [Latitude, Longitude] of stations	MMSI	Range ⁽²⁾ (NM)	Date of Operation	Purpose (PC or SD or PS ?) ⁽³⁾	Watch hours (24 hours on CH70 ?)	RCC Associated

(1) Monitored stations mean the stations remotely controlled by the main stations.

(2) Refer to resolution A.801(19). See appendix.

(3) PC = "Public Correspondence" only, SD = "Distress and Safety" only, PS = Both "Public Correspondence" and "Safety and Distress".

4 Provide a map indicating;

- Name and location of **main** VHF stations
- Coverage of main and monitored Transmitter & Receivers
- Name and location of associated RCC(s)

APPENDIX TO ANNEX 1

IMO RESOLUTION A.801(19) , annex 3, paragraph 2

Criteria for establishing GMDSS sea areas

2.3 Determination of radius A

2.3.1 The following formula should be used to calculate the range A in nautical miles:

$$A=2.5(\sqrt{H(\text{in-meters})}+\sqrt{h(\text{in-meters})})$$

H is the height of the coast station VHF receiving antenna and h is the height of the ship's transmitting antenna which is assumed to be 4 m.

2.3.2 The following table gives the range in nautical miles (NM) for typical values of H:

$\frac{H}{h}$	50 m	100 m
4 m	23 NM	30 NM

2.3.3 The formula given above applies to line-of-sight cases but is not considered adequate for cases where both antennae are at a low level. The VHF range in Sea Area A1 should be verified by field strength measurements.

ANNEX 2

Sea Area A2 (Within range of shore-based MF DSC coverage)

1 Does your Administration intend to establish Sea Area A2 ? YES **9** NO **9** Is it operational now ? YES **9** NO **9**
If not operational now, indicate the date of operation in the following table.

2 Do they keep fulltime DSC watch on 2187.5 kHz ? YES **9** NO **9**
If not, indicate watch hours in the following table.

3 Indicate details of MF stations

NAV/M ET Area	Type (Main or Monitor ?) ⁽¹⁾	Name and position [Latitude, Longitude] of stations	MMSI	Range ⁽²⁾ (NM)	Date of Operation	Purpose (PC or SD or PS ?) ⁽³⁾	Watch hours (24 hours on 2187.5kHz ?)	RCC Associated

(1) Monitored station means the station remotely controlled by the main station.

(2) Refer to resolution A.801(19). See appendix.

(3) PC = "Public Correspondence" only, SD = "Distress and Safety" only, PS = Both "Public Correspondence" and "Safety and Distress".

4 Provide a map indicating:

- Name and location of **main** MF stations
- Coverage of main and monitored Transmitter & Receivers
- Name and location of associated RCC(s)

APPENDIX TO ANNEX 2

IMO RESOLUTION A.801(19) , annex 3, paragraph 3

Criteria for establishing GMDSS sea areas

3.3 Determination of radius B

The radius B may be determined for each coast station by reference to Recommendation ITU-R PN.368-7 and CCIR Report 322 for the performance of a single sideband(J3E) system under the following conditions:

Frequency	- 2182 kHz
Bandwidth	- 3 kHz
Propagation	- ground wave
Time of day & Season	- (Administration should determine time periods and seasons appropriate to their geographic area based on prevailing noise level)
Ship's transmitter power(PEP)	- 60 W (See footnote to regulation IV/16(c)(i) of the 1981 amendments to the 1974 SOLAS Convention)
Ship's antenna efficiency - 25 %	
S/N(RF)	- 9 dB(voice)
Mean transmitter power	- 8 dB below peak power
Fading margin	- 3 dB

The range of sea area A2 should be verified by field strength measurements.

ANNEX 3

Sea Areas A3 and A4 (Outside of Sea Area A2)

- 1 Does your Administration intend to equip one or more HF DSC station ? YES NO Is it operational now ? YES NO
 If not operational now, indicate the date of operation in the following table.
- | | | |
|--------------------|-----------------|----------------|
| 4MHz (4207.5kHz)? | YES
9 | NO
9 |
| 6MHz (6312kHz) ? | YES
9 | NO
9 |
| 8MHz (8414.5kHz)? | YES
9 | NO
9 |
| 12MHz(12577kHz) ? | YES
9 | NO
9 |
| 16MHz(16804.5kHz)? | YES
9 | NO
9 |

If not, indicate watch hours in the following table.

3 Indicate details of HF stations

NAV/ MET Area	Name and position [Latitude, Longitude] of stations	MMSI	Date of operation	Purpose (PC or SD or PS ?)*	Operational frequency band					Watch hours (24 hours ?)	RCC Associated
					4	6	8	12	16		

* PC = "Public Correspondence" only, SD = "Distress and Safety" only, PS = Both "Public Correspondence" and "Safety and Distress".

ANNEX 4

INMARSAT facilities

1 Does your Administration operate an INMARSAT Coast Earth Station(CES) ? YES **9** NO **9** Is it operational now ? YES **9** NO **9**

If not operational now, indicate the date of operation in the following table.

2 Indicate details of INMARSAT CES

Name of CES	Position	Ocean Area*	Service provided (Date of operation)				RCC Associated
			INMARSAT-A	INMARSAT-B	INMARSAT-C	INMARSAT-E	

* AOR-E(Atlantic Ocean Region - East) , AOR-W(Atlantic Ocean Region - West), IOR(Indian Ocean Region) or POR(Pacific Ocean Region)

ANNEX 5

Rescue Co-ordination Centres(RCCs) using Ship Earth Stations(SESs)

1 Does your Administration intend to commission a ship earth station for RCC operation ? YES 9 NO 9

Is it operational now ?

If not operational now, indicate the date of operation in the following table.

2 Indicate details of SES

Name of RCC	Position	Date of operation	SES details		
			INMARSAT I.D.	Type of SES ⁽¹⁾	Ocean Regions accessed ⁽²⁾

(1) INMARSAT-A, INMARSAT-B, or INMARSAT-C

(2) AOR-E, AOR-W, IOR, or POR

ANNEX 6

NAVTEX Service on 518 kHz

1 Does your Administration operate NAVTEX Service on 518 kHz ?

YES NO
9 9

Is it operational now ?

YES NO
9 9

If not operational now, indicate the date of operation in the following table.

2 Indicate details of NAVTEX stations

NAV/M ET Area	Name of NAVTEX station	Position	Range* (NM)	Transmitter identification character (B1)	Transmission times(UTC)	Language	Date of operation

* Refer to resolution A.801(19). See appendix.

4209.5 kHz NAVTEX Service

1 Does your Administration operate an 4209.5 kHz NAVTEX Service ?

YES NO
9 9

Is it operational now ?

YES NO
9 9

If not operational now, indicate the date of operation in the following table.

2 Indicate details of 4209.5 kHz NAVTEX stations

NAV/M ET Area	Name of NAVTEX station	Position	Transmitter identification character (B1)	Transmission times(UTC)	Language	Date of operation

APPENDIX

IMO RESOLUTION A.801(19) , annex 4, paragraph 3

Criteria for use when providing a NAVTEX service

The ground-wave coverage may be determined for each coast station by reference to Recommendation ITU-R PN.368-7 and CCIR Report 322 for the performance of a system under the following conditions:

- | | |
|--|--|
| Frequency | - 518 kHz |
| Bandwidth | - 500 Hz |
| Propagation | - ground wave |
| Time of day & Season | - (Administration should determine time periods in accordance with NAVTEX time transmission table(NAVTEX Manual, figure 3) and seasons appropriate to their geographic area based on prevailing noise level.) |
| Transmitter power & Antenna efficiency | <ul style="list-style-type: none">- (The range of a NAVTEX transmitter depends on the transmitter power and local propagation conditions. The actual range achieved should be adjusted to the minimum required for adequate reception in the NAVTEX area served, taking into account the needs of ships approaching from other areas. Experience has indicated that the required range of 250 to 400 nautical miles can generally be attained by transmitter power in the range between 100 and 1,000 W during daylight with a 60 % reduction at night.) |
| RF S/N in 500 Hz bandwith | - 8 dB(Bit error rate 1×10^{-2}) |
| Percentage of time | - 90 |

Full coverage of NAVTEX service area should be verified by field strength measurements.

ANNEX 7

International SafetyNET Service

1 Does your Administration intend to broadcast MSI through the International SafetyNET Service ?

YES
9

NO
9

Is it operational now ?

YES
9

NO
9

If not operational now, indicate the date of operation in the following table.

2 Indicate detail of International SafetyNET Service

NAV/MET Area	Type of MSI	Coast Earth Station		Ocean Area ⁽¹⁾	Area covered ⁽²⁾	Broadcast schedule(UTC)	Date of operation
		Name	Country				
	NAV						
	MET						
	SAR						
	Coastal Warning				(3)		

(1) AOR-E, AOR-W, IOR, or POR

(2) Service area covered in NAV/MET information

(3) Provide a map indicating Area covered and B1 characters

ANNEX 8

HF Narrow Band Direct Printing(NBDP) MSI Broadcast Service

1 Does your Administration intend to broadcast MSI through HF NBDP ?
If not operational now, indicate the date of operation in the following table.

YES NO
9 9

Is it operational now ?

YES NO
9 9

2 Indicate details of HF NBDP MSI Broadcast Service

Name of station	Position	Frequency Band	Schedule	Date of operation
		4 MHz (4210 kHz)		
		6 MHz (6314 kHz)		
		8 MHz (8416.5 kHz)		
		12 MHz (12579 kHz)		
		16 MHz (16806.5 kHz)		
		19 MHz (19680.5 kHz)		
		22 MHz (22376 kHz)		
		26 MHz (26100.5 kHz)		

ANNEX 9

COSPAS-SARSAT MCC and LUT

1 Does your Administration intend to operate COSPAS-SARSAT ground facilities ?
If not operational now, indicate the date of operation in the following table.

YES NO
9 9

Is it operational now ?

YES NO
9 9

2 Indicate details of the COSPAS-SARSAT facilities

MCC			LUT			RCC Associated
Location	Designator	Date of operation	Location	LEO or GEO ?	Date of operation	

ANNEX 10

EPIRB Registration Data

EPIRB Type permitted

406 MHz EPIRB:

YES NO
9 9

L-Band EPIRB:

YES NO
9 9

406 MHz EPIRB

- 1 MID-Numbers(country codes) assigned to 406 MHz EPIRBs ?: _____
- 2 406 Mhz coding schemes currently used by the country: _____
- Serial protocol: YES NO
9 9
- MMSI: YES NO
9 9
- Radio call sign: YES NO
9 9
- 3 Database for 406 MHz EPIRBs:
- Address: _____

- Open 24 hours a day, all days of the year ? YES NO
9 9
- If not, specify the opening hours(UTC), days etc: _____
- Telephone No. for database information: _____
- Telefax No. for database information: _____
- Telex No. for database information: _____
- AFTN No. for database information: _____
- Electronic Mail ID for database information: _____
- 4 How often does your Administration update the database ? _____

ANNEX 11

Maritime Mobile Service Identities(MMSI)

1 MID-Numbers(country codes) assigned to equipment other than 406 MHz EPIRBs ?: _____

2 National database for MMSI number:

- Same database as for 406 MHz EPIRBs ? YES **9** NO **9**

If not, fill in the following information:

- Address: _____

Open 24 hours a day, all days of the year ? YES **9** NO **9**

If no, specify the opening hours(UTC), days etc: _____

- Telephone No. for database information: _____

- Telefax No. for database information: _____

- Telex No. for database information: _____

- AFTN No. for database information: _____

- Electronic Mail ID for database information: _____

3 How often does your Administration update the national database ? _____

4 How often does your Administration update the ITU database ? _____
